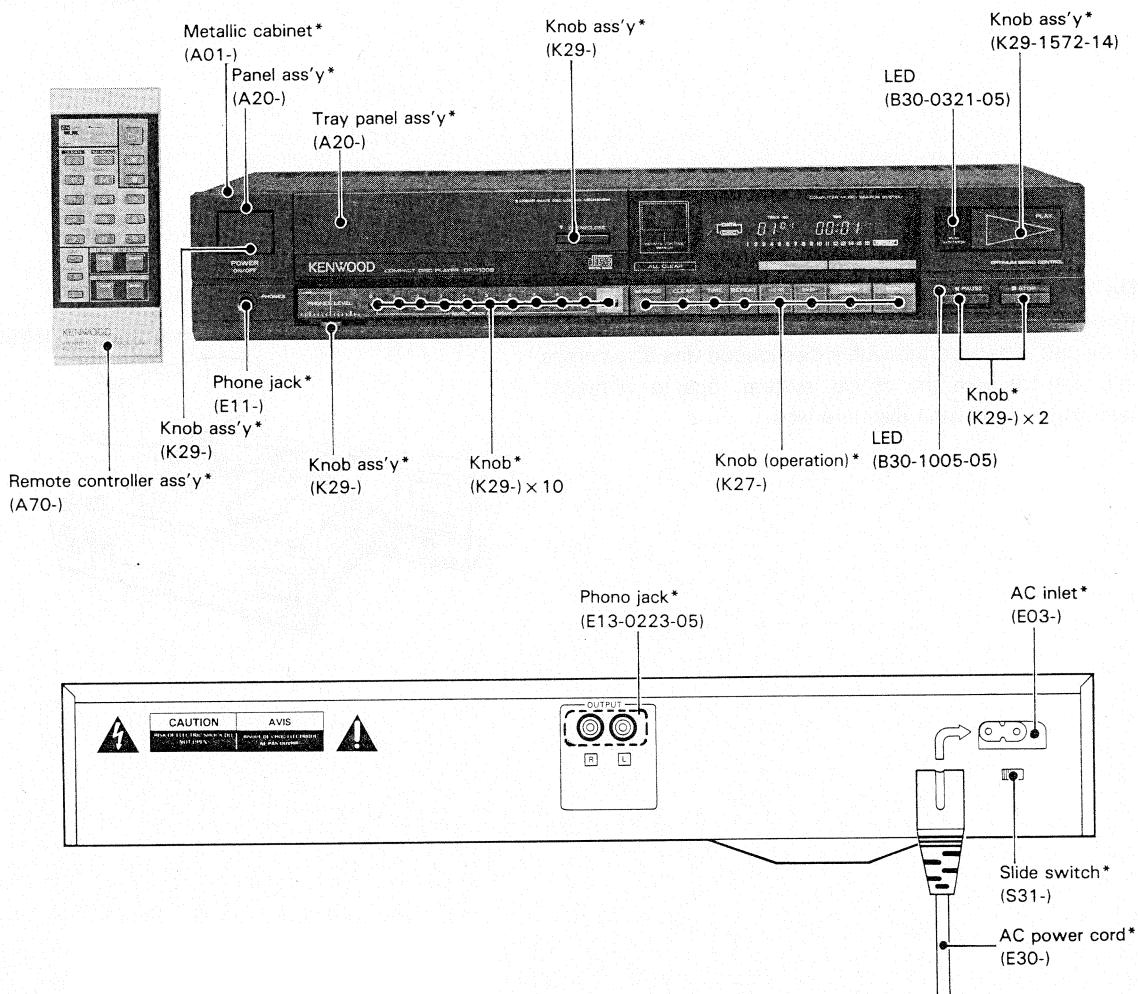


KENWOOD

DP-1100
DP-1100B

COMPACT DISC PLAYER

NOTE: For adjustment and troubleshooting, refer to the revised edition of the DP-1100/B Service manual.



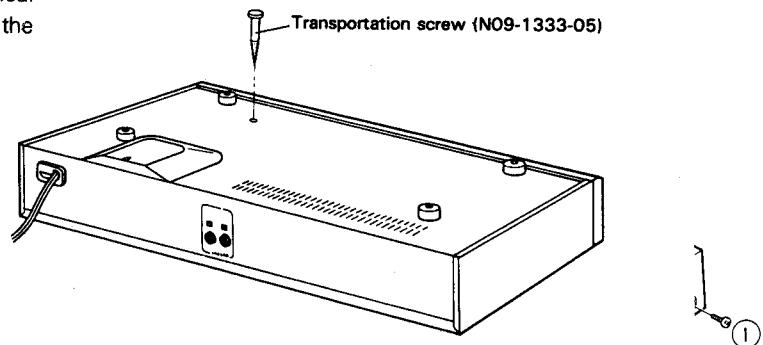
TRIO-KENWOOD Corp. certifies this equipment conforms to DHHS Regulations No. 21 CFR 1040.10, Chapter I, Subchapter J.

**DANGER: Laser radiation when open
and interlock defeated.
AVOID DIRECT EXPOSURE TO BEAM.**

*Refer to parts list on page 12.
Photo is DP-1100B

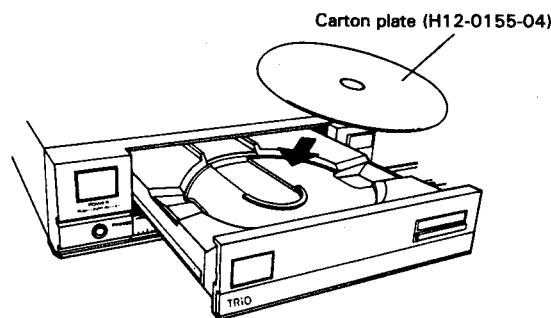
NOTES ON TRANSPORTATION

- When transporting the unit, be sure to install the **transportation screw**. The screw secures the optical system and mechanism. Transporting the unit without the transportation screw may damage them.

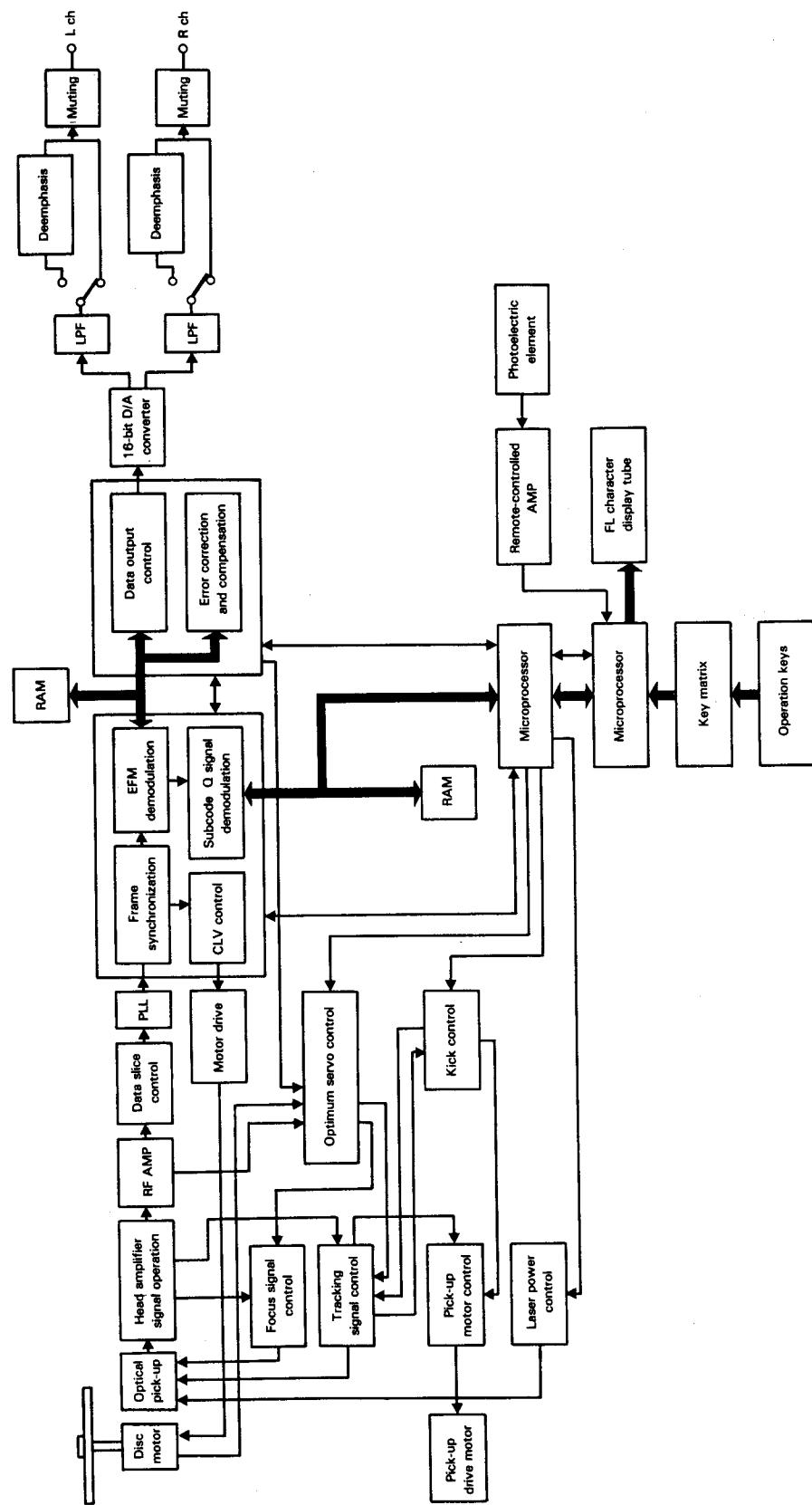


scratched.

- Do not transport the unit with a disc loaded. When transporting the unit, be sure to load a protection plate. If the unit is transported with a disc loaded, the disc comes into contact with the optical system, due to vibration, resulting in scratched disc and lens.



BLOCK DIAGRAM



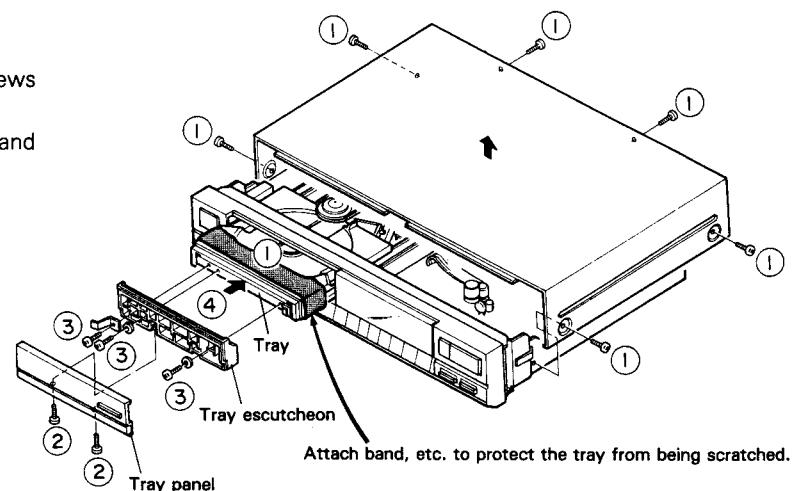
DISASSEMBLY FOR REPAIR

Removing case

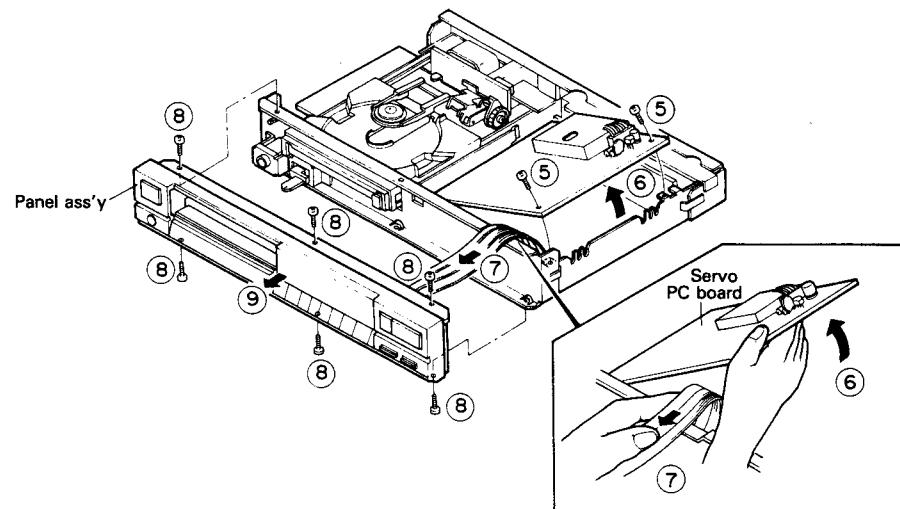
1. Remove each set of 2 screws from right, left and rear sides
① .

Removing panel ass'y

1. Remove the case ① .
2. Open the disc tray, remove 2 tray panel retaining screws ② and take out the tray panel.
3. Remove 3 tray escutcheon retaining screws ③ and remove the escutcheon.
4. Manually close the tray ④ .



5. Remove 2 screws ⑤ securing the servo PC board (X29-1520-00), lift up the right side of the PC board ⑥ and take out the panel ass'y flat cable frontwards ⑦ .
6. Remove 6 panel ass'y retaining screws ⑧ and pull out the panel ass'y frontwards.

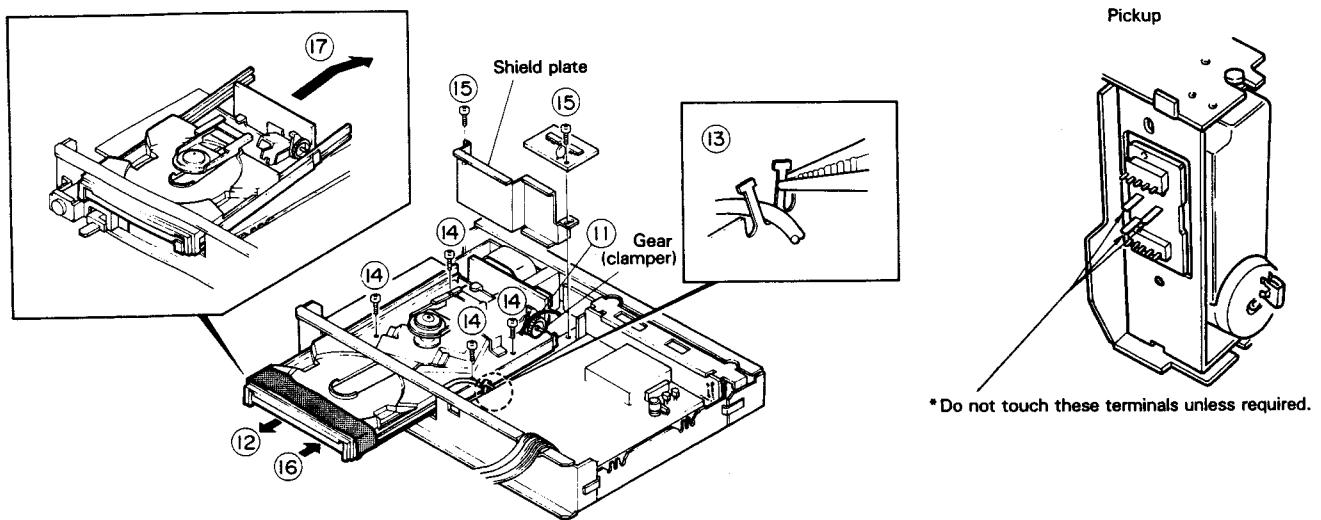


DISASSEMBLY FOR REPAIR

Removing mechanism ass'y

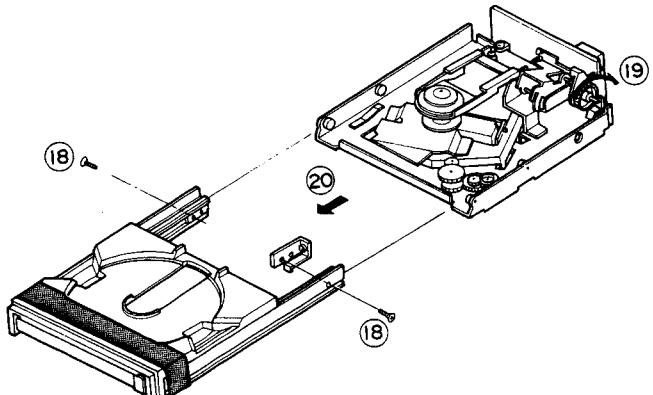
1. Remove case ①.
2. Remove the panel ②—⑨.
3. Manually rotate the gear (clamper) to the rear and open the tray ⑫.
4. Raise the lead clamper ⑬ of the tray switch with pliers, etc. and remove 4 screws ⑭ securing the mechanism ass'y.

5. Remove 2 screws ⑮ securing the shield plate.
6. Manually close the tray ⑯ and, lifting up the rear side of the mechanism ass'y ⑰, take out the mechanism ass'y.



Removing tray

1. Remove the mechanism ass'y ①—⑯.
2. Remove 2 stopper retaining screws ⑯ with the tray closed and manually rotate the gear (clamper) ⑯ to take out the tray frontwards ⑳.



ADJUSTMENT

For connection of the measuring instrument, refer to the pc board on page 6.

NOTE: Be sure to turn the power off when connecting/disconnecting the connector.

| No. | ITEM | INPUT SETTING | OUTPUT SETTING | PLAYER SETTING | ADJUSTMENT POINT | ALIGN FOR | FIG. |
|-----|-----------------------------|------------------|---|---|------------------------------------|---|------|
| 1 | LASER POWER (1) | — | — | 1. POWER: OFF 2. Pull out CN4 from Servo PC board (X29-1520-00). 3. Short pins 2 and 3 of J8 in mechanism PC board (J25-4404-08). 4. POWER: ON | — | — | |
| 2 | LASER POWER (2) | — | Laser power meter | POWER: ON | R128 (J25-4404-08) | Adjust so the meter reads 300 μW. | (a) |
| 3 | PEAK DET BALANCE | — | Connect DC voltmeter to pin 8 of Servo PC board CN6. | POWER: ON | R118 (J25-4404-08) | Adjust so the meter reads 0 V. | |
| 4 | PICKUP HEIGHT (1) | — | Connect oscilloscope (AC 0.2 V/div) to pin 6 of Servo PC board CN6. | Disconnect the CN10 from Signal Process PC board. POWER: ON | R120 (J25-4404-08) | Adjust so the maximum output is obtained. | |
| 5 | PICKUP HEIGHT (2) | — | Connect DC voltmeter to pin 3 of Servo PC board CN3. | Play mode | Pickup adjusting screws A, B and C | Adjust so the voltmeter reads 0 V. | (b) |
| 6 | PICKUP TANGENTIAL DIRECTION | — | Connect oscilloscope (AC 0.5 V/div) to EFM pin of Servo PC board. | Play mode | Pickup adjusting screw B | Adjust for minimum jitter (the minimum fluctuation at the center of the waveform) | (b) |
| 7 | PICKUP RADIAL DIRECTION | — | Connect AC voltmeter to TE pin of Servo PC board. | Play mode | Pickup adjusting screw C | Adjust so the voltmeter reads minimum. | (b) |

Repeat steps 5 ~ 7 several times.

Connect CN10 to Signal Process PC board.

| | | | | | | | |
|----|---------------|-------------|--|-----------|--------------------|--|-----|
| 8 | FE BALANCE | — | Connect DC voltmeter to pin 1 ~ 4 of Signal Process PC board. | Play mode | R120 (J25-4404-08) | Turn the power off. Turn the power on again and adjust so that the level at each pin is L (less than 0.5 V) during playback. | |
| 9 | FOCUS GAIN | Type A disc | Jig MONITOR OUT: AC Voltmeter FS/TS OUTPUT: Servo PC board CN1 SW: BPF OUT SW:FS | Play mode | VR1 (X29-1520-00) | Adjust so the voltmeter reads 40 mV. | (c) |
| 10 | TRACKING GAIN | Type A disc | Jig MONI OUT: AC voltmeter FS/TS OUTPUT: Servo PC board CN1 SW: BPF OUT SW: TS | Play mode | VR2 (X29-1520-00) | Adjust so the voltmeter reads 40 mV. | (c) |

REGLAGE

Pour le raccordement d'instruments de mesure se référer à la plaquette à la page 6.

REMARQUE: S'assurer de bien mettre l'appareil hors tension avant de connecter, déconnecter le connecteur.

| No. | ITEM | RÉGLAGE D'ENTRÉE | RÉGAGE DE SORTIE | RÉGLAGE DE LA LE CTURE | POINT D'ALIGNEMENT | ALIGNEMENT POUR | FIG. |
|--|--|------------------|---|--|--|---|------|
| 1 | PUISANCE LASER (1) | — | — | 1. HORS TENSION 2. Sortir CN4 de la plaquette de CI Servomécanisme (X29-1520-00). 3. Court-circuiter les broches 2 et 3 de la plaquette J8 de CI Mécanisme (J25-4404-08). 4. SOUS TENSION | — | — | |
| 2 | PUISANCE LASER (2) | — | Compteur de puissance | POWER: ON | R128 (J25-4404-08) | Régler de manière à ce que le compteur indique 300 W. | (a) |
| 3 | COMPENSATION DET CRÈTE | — | Raccorder le voltmètre CC à la broche 8 de la plaquette de CI Servomécanisme CN6. | POWER: ON | R118 (J25-4404-08) | Régler de manière à ce que le voltmètre indique 0 V. | |
| 4 | HAUTEUR PHON-CAPTEUR (1) | — | Raccorder l'oscilloscope (0,2 V/div CA) à la broche 6 de la plaque de CI Servomécanisme CN6. | Déconnecter le CN10 de la plaque de CI de Traitement des Signaux. SOUS TENSION | R120 (J25-4404-08) | Régler de manière à obtenir la sortie maximale. | |
| 5 | HAUTEUR PHONOCAPTEUR (2) | — | Raccorder le voltmètre CC à la broche 3 de la plaque de CI Servomécanisme CN3. | Mode lecture | Vis de réglage A, B et C du phonocapteur | Régler de manière à ce que le voltmètre indique 0 V. | (b) |
| 6 | DIRECTION TANGENTIELLE DU PHONOCAPTEUR | — | Raccorder l'oscilloscope (CA 0,5 V/DIV) à la broche EFM de la plaque de CI Servomécanisme. | Mode lecture | Vis de réglage du phonocapteur B | Régler de manière à obtenir une instabilité minimale (la fluctuation minimale au centre de la forme d'onde) | (b) |
| 7 | DIRECTION RADIALE DU PHONOCAPTEUR | — | Raccorder l'appareil de mesure CA pour plaque à la borne TE de la plaque de CI Servomécanisme. | Mode lecture | Vis de réglage du phonocapteur C | Régler de manière à ce que le voltmètre indique le minimum. | (b) |
| Répéter les étapes 5 à 7 plusieurs fois. | | | | | | | |
| Connecter CN10 à la plaque de CI de Traitement de Signaux. | | | | | | | |
| 8 | EQUILIBRE FE | — | Raccorder le voltmètre CC aux broches 1 ~ 4 de la plaque de CI de Traitement de Signaux. | Mode lecture | R120 (J25-4404-08) | Mettre hors tension. Mettre à nouveau sous tension et régler de manière à ce que le niveau à chaque broche soit égal à L (inférieur à 0,5 V) au cours de la lecture. | |
| 9 | GAIN DE FOCALISATION | Disque type A | Montage MONITOR OUT: Voltmètre CA FS/TS OUTPUT: Plaque de CI servomécanisme CN1 SW: BPF OUT SW: FS | Mode lecture | VR1 (X29-1520-00) | Régler de manière à ce que le voltmètre indique 40 mV. | (c) |
| 10 | GAIN D'ALIGNEMENT | Disque type A | Montage MONI OUT: Voltmètre CA FS/TS OUTPUT: Plaque de CI servomécanisme CN1 SW: BPF OUT SW: TS | Mode lecture | VR2 (X29-1520-00) | Régler de manière à ce que le voltmètre indique 40 mV. | (c) |

Für den Anschluß des Meßinstruments siehe das schaltplatte auf Seite 6.

HINWEIS: Beim Anschließen und Abtrennen von Steckern muß die Spannungsversorgung ausgeschaltet werden.

ABGLEICH

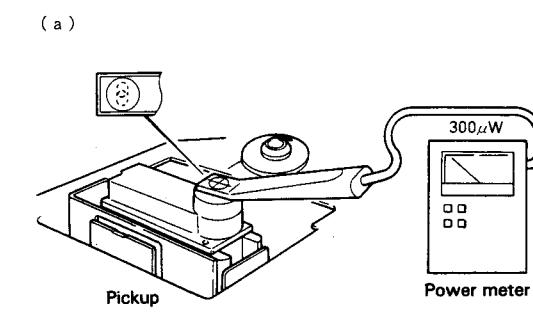
| Nr. | GEGENSTAND | EINGANGS-EINSTELLUNG | AUSGANGS-EINSTELLUNG | SPIELER-EINSTELLUNG | ABGLEICH-PUNKT | ABGLEICHUNG | Abb. |
|--|------------------------------|----------------------|--|--|---------------------------------------|---|------|
| 1 | LASERLEISTUNG (1) | — | — | 1. POWER: OFF 2. CN4 aus der Servo-Schaltplatte (X29-1520-00) ziehen. 3. Stifte 2 und 3 der J8 ans Mechanismus-Schaltplatte (J25-4404-08) kurzschließen. 4. POWER: ON | — | — | |
| 2 | LASERLEISTUNG (2) | — | Laserleistung-Meter | POWER: ON | R128 (J25-4404-08) | So einstellen, daß das Meter 300 μ W anzeigt. | (a) |
| 3 | SPITZEN-DET-BALANCE | — | Ein Gleichstrom-Voltmeter an Stift 8 der Servo-Schaltplatte CN6 anschließen. | POWER: ON | R118 (J25-4404-08) | So einstellen, daß das Meter 0 V anzeigt. | |
| 4 | AUFNEHMER-HÖHE (1) | — | Ein Oszilloskop (Wechselstrom 0,2 V/div) an Stift 6 der Servo-Schaltplatte CN6 anschließen. | Den CN10 von der Signalverarbeitung-Schaltplatte ab trennen. POWER: ON | R120 (J25-4404-08) | So einstellen, daß der maximale Ausgang erhalten wird. | |
| 5 | ABNEHMER-HÖHE (2) | — | Ein Gleichstrom-Voltmeter an Stift 3 der Servo-Schaltplatte CN3 anschließen. | Wiedergabe-Betriebsart | Abnehmer-Einstellschrauben A, B und C | So einstellen, daß das Voltmeter 0 V anzeigt. | (b) |
| 6 | AUFNEHMER-TANGENTIALRICHTUNG | — | Das Oszilloskop (Wechselstrom 0,5 V/div) an den EFM-Stift der Servo-Schaltplatte anschließen. | Wiedergabe-Betriebsart | Aufnehmer-Einstellschraube B | Auf minimalen Jitter (minimale Schwankung in der Mitte der Wellenform) einstellen. | (b) |
| 7 | AUFNEHMER-RADIALRICHTUNG | — | Das Wechselstrom-Voltmeter und den TE-Stift der Servo-Schaltplatte anschließen. | Wiedergabe-Betriebsart | Aufnehmer-Einstellschraube C | So einstellen, daß das Voltmeter Minimum anzeigt. | (b) |
| Die Schritte 5 ~ 7 mehrmals wiederholen. | | | | | | | |
| CN10 an die Signalverarbeitung-Schaltplatte anschließen. | | | | | | | |
| 8 | FE-BALANCE | — | Das Gleichstrom-Voltmeter an die Stifte 1 ~ 4 der Signalverarbeitung-Schaltplatte anschließen. | Wiedergabe-Betriebsart | R120 (J25-4404-08) | Die Spannungsversorgung ausschalten. Die Spannungsversorgung wieder einschalten und so einstellen, daß der Pegel an jedem Stift L (weniger als 0,5 V) ist während der Wiedergabe. | |
| 9 | FOKUS-VERSTÄRKUNG | Typ A Disc | Vorrichtung MONITOR OUT: Wechselstrom-Voltmeter FS/TS OUTPUT: Servo-Schaltplatte CN1 SW: BPF OUT SW:FS | Wiedergabe-Betriebsart | VR1 (X29-1520-00) | So einstellen, daß das Voltmeter 40 mV anzeigt. | (c) |
| 10 | SPURHALTE-VERSTÄRKUNG | Typ A Disc | Vorrichtung MONI OUT: Wechselstrom-Voltmeter FS/TS OUTPUT: Servo-Schaltplatte CN1 SW: BPF OUT SW: TS | Wiedergabe-Betriebsart | VR2 (X29-1520-00) | So einstellen, daß das Voltmeter 40 mV anzeigt. | (c) |

ABGLEICH

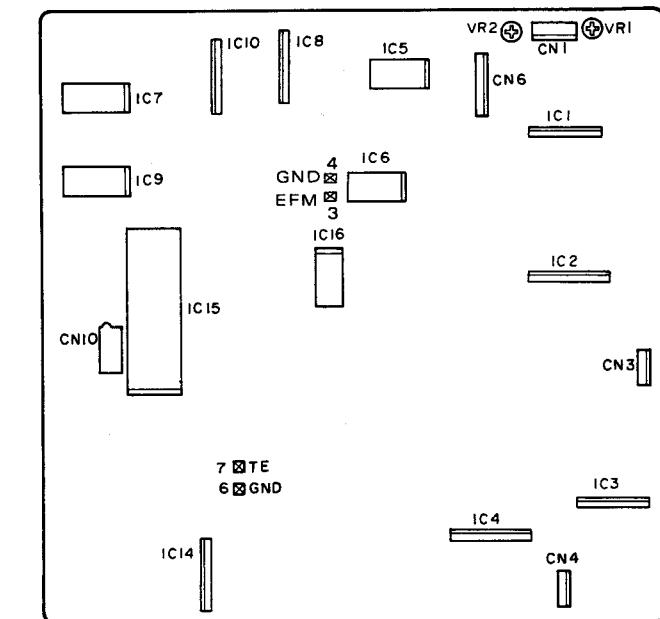
ADJUSTMENT POINT

Für den Anschluß des Meßinstruments siehe das Schaltplättchen auf Seite 6.
HINWEIS: Beim Anschließen und Abtrennen von Steckern muß die Spannungsversorgung ausgeschaltet werden.

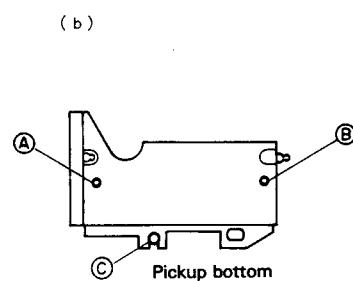
| Nr. | GEGENSTAND | EINGANGS-EINSTELLUNG | AUSGANGS-EINSTELLUNG | SPIELER-EINSTELLUNG | ABGLEICH-PUNKT | ABGLEICHUNG | Abb. |
|--|------------------------------|----------------------|--|---|---------------------------------------|---|------|
| 1 | LASERLEISTUNG (1) | — | — | 1. POWER: OFF 2. CN4 aus der Servo-Schaltplatte (X29-1520-00) ziehen. 3. Stifte 2 und 3 der J8 am Mechanismus-Schaltplatte (J25-4404-08) kurzschließen. 4. POWER: ON | — | — | |
| 2 | LASERLEISTUNG (2) | — | Laserleistung-Meter | POWER: ON | R128 (J25-4404-08) | So einstellen, daß das Meter $300 \mu\text{W}$ anzeigt. | (a) |
| 3 | SPITZEN-DET-BALANCE | — | Ein Gleichstrom-Voltmeter an Stift 8 der Servo-Schaltplatte CN6 anschließen. | POWER: ON | R118 (J25-4404-08) | So einstellen, daß das Meter 0 V anzeigt. | |
| 4 | AUFNEHMER-HÖHE (1) | — | Ein Oszilloskop (Wechselstrom 0,2 V/div) an Stift 6 der Servo-Schaltplatte CN6 anschließen. | Den CN10 von der Signalverarbeitung-Schaltplatte ab trennen. POWER: ON | R120 (J25-4404-08) | So einstellen, daß der maximale Ausgang erhalten wird. | |
| 5 | ABNEHMER-HÖHE (2) | — | Ein Gleichstrom-Voltmeter an Stift 3 der Servo-Schaltplatte CN3 anschließen. | Wiedergabe-Betriebsart | Abnehmer-Einstellschrauben A, B und C | So einstellen, daß das Voltmeter 0 V anzeigt. | (b) |
| 6 | AUFNEHMER-TANGENTIALRICHTUNG | — | Das Oszilloskop (Wechselstrom 0,5 V/div) an den EFM-Stift der Servo-Schaltplatte anschließen. | Wiedergabe-Betriebsart | Aufnehmer-Einstellschraube B | Auf minimalen Jitter (minimale Schwankung in der Mitte der Wellenform) einstellen. | (b) |
| 7 | AUFNEHMER-RADIALRICHTUNG | — | Das Wechselstrom-Voltmeter und den TE-Stift der Servo-Schaltplatte anschließen. | Wiedergabe-Betriebsart | Aufnehmer-Einstellschraube C | So einstellen, daß das Voltmeter Minimum anzeigt. | (b) |
| Die Schritte 5 ~ 7 mehrmals wiederholen. | | | | | | | |
| CN10 an die Signalverarbeitung-Schaltplatte anschließen. | | | | | | | |
| 8 | FE-BALANCE | — | Das Gleichstrom-Voltmeter an die Stifte 1 ~ 4 der Signalverarbeitung-Schaltplatte anschließen. | Wiedergabe-Betriebsart | R120 (J25-4404-08) | Die Spannungsversorgung ausschalten. Die Spannungsversorgung wieder einschalten und so einstellen, daß der Pegel an jedem Stift L (weniger als 0,5 V) ist während der Wiedergabe. | |
| 9 | FOKUS-VERSTÄRKUNG | Typ A Disc | Vorrichtung MONITOR OUT: Wechselstrom-Voltmeter FS/TS OUTPUT: Servo-Schaltplatte CN1 SW: BPF OUT SW:FS | Wiedergabe-Betriebsart | VR1 (X29-1520-00) | So einstellen, daß das Voltmeter 40 mV anzeigt. | (c) |
| 10 | SPURHALTE-VERSTÄRKUNG | Typ A Disc | Vorrichtung MONI OUT: Wechselstrom-Voltmeter FS/TS OUTPUT: Servo-Schaltplatte CN1 SW: BPF OUT SW: TS | Wiedergabe-Betriebsart | VR2 (X29-1520-00) | So einstellen, daß das Voltmeter 40 mV anzeigt. | (c) |



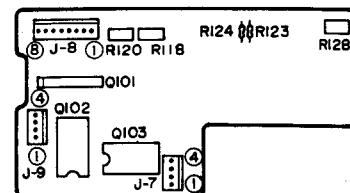
Servo PC board (X29-1520-00)



Front

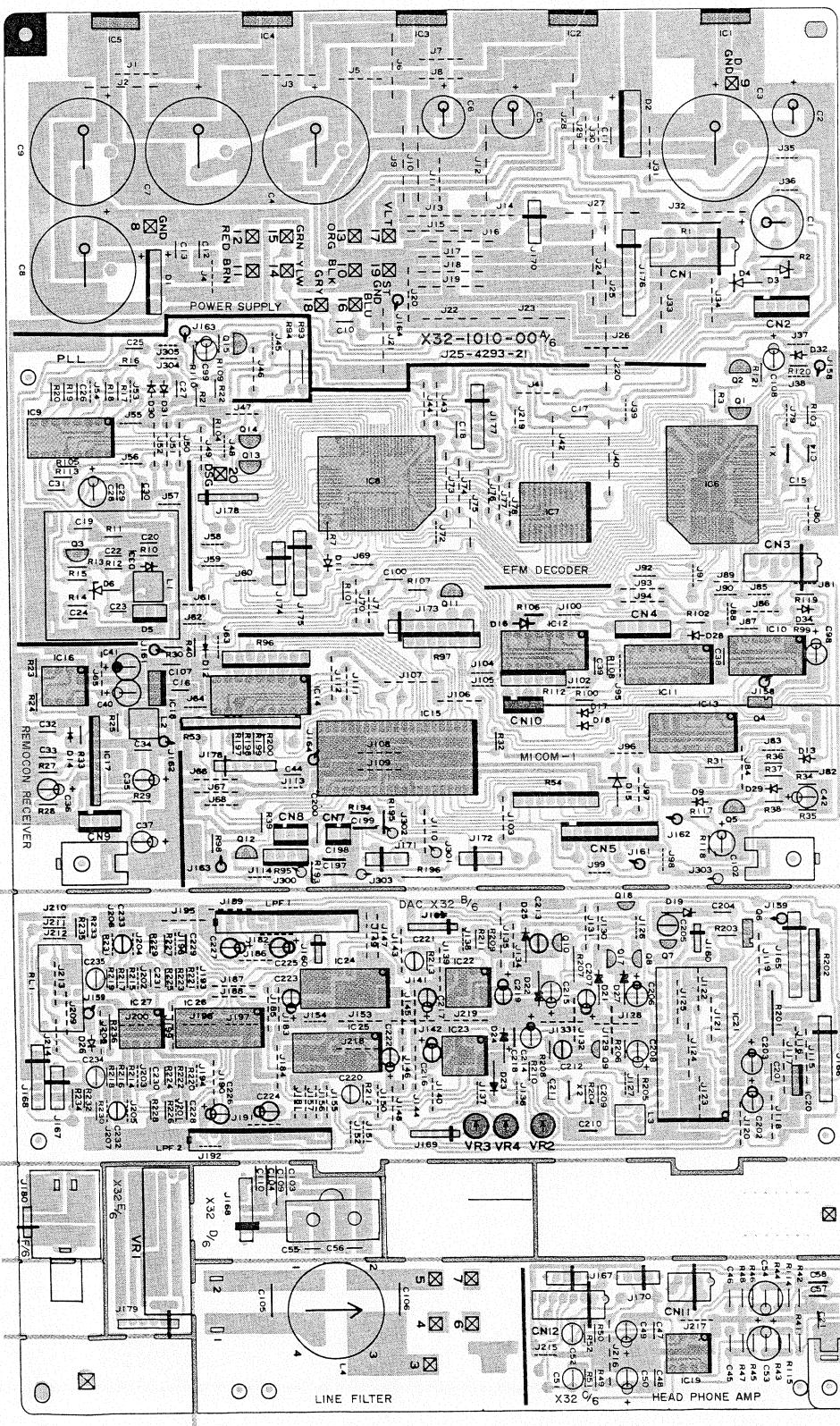


Mechanism PC board (J25-4404-08)



PC BOARD

SIGNAL PROCESS UNIT (X32-1010-11) Component side view

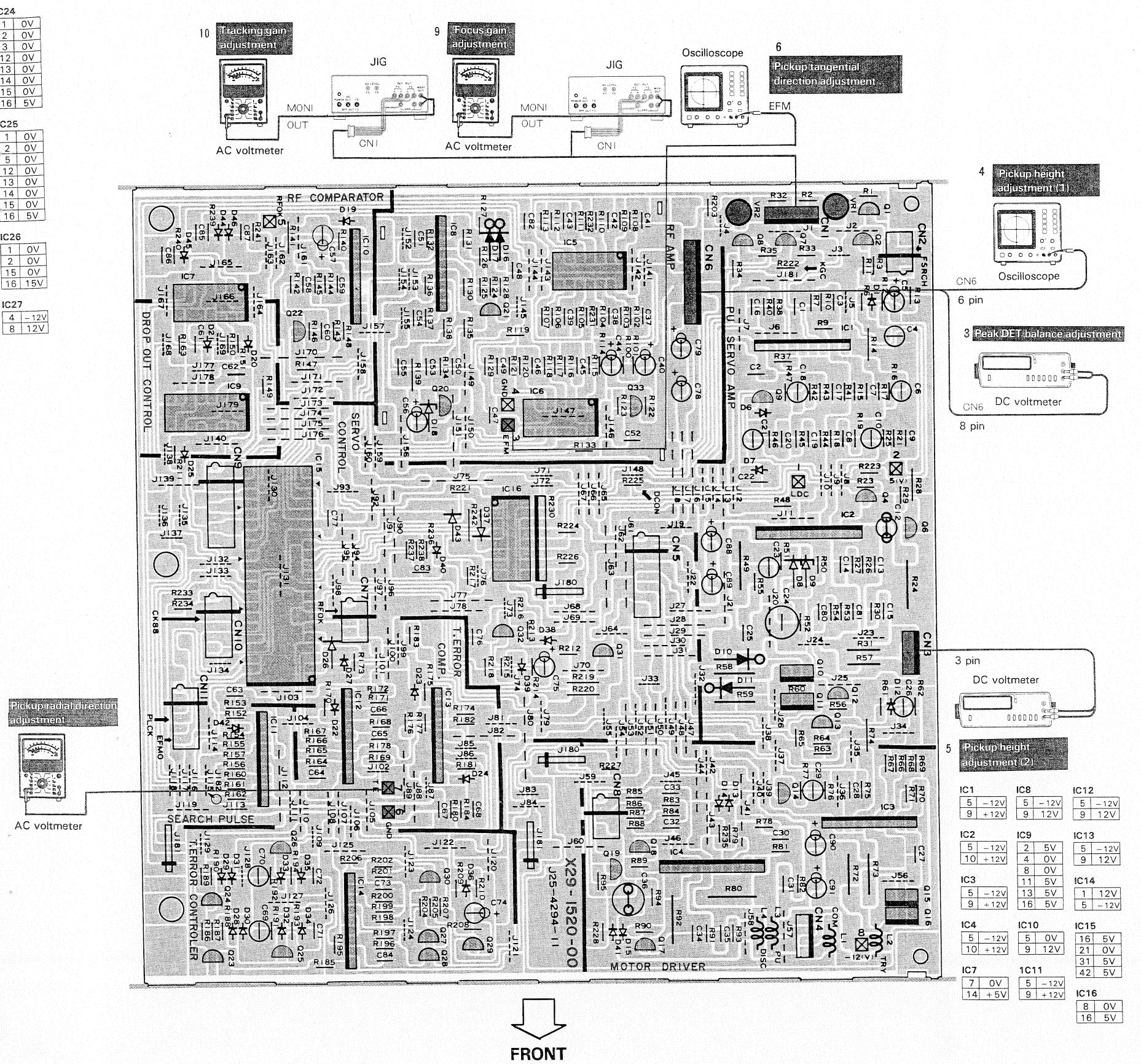


| | | | | |
|-------|---|--|--|--|
| IC1 | IN 12.7V GND 0V OUT 4.8V | 12 OV 18 OV 24 4.8V | 8 OV 15 4.8V 16 4.8V | 1 OV 2 OV 3 OV |
| IC2 | IN -12V GND 0V OUT -5V | 2 4.8V 3 0V 6 0V 8 4.8V | 4 OV 6 OV 8 OV 16 4.8V | 12 OV 13 OV 14 OV 16 5V |
| IC3 | IN 12V GND 0V OUT 5V | 10 4.8V 15 0V 22 0V 27 4.8V 28 4.8V 41 4.8V 42 4.8V 43 4.8V 44 4.8V 45 4.8V | 1 0V 2 0V 5 0V 12 0V 14 OV 15 OV 16 5V | 1 OV 2 OV 5 OV 12 OV 14 OV 15 OV 16 5V |
| IC4 | IN -18.6V GND 0V OUT -12V | 18 4.8V 20 4.8V 21 0V 22 0V 28 0V | 9 4.8V 15 0V 16 4.8V | 13 OV 14 OV 15 OV 16 5V |
| IC5 | IN 18.6V GND 0V OUT 12V | 21 0V 30 0V | 1 0V 2 0V | 15 OV |
| IC6 | 5 0V 15 4.8V 16 12V | 34 4.8V 42 4.8V | 1 0V 2 0V | 15 OV |
| IC7 | 12 OV 18 OV 24 4.8V | 4 0V 6 0V 8 0V 16 4.8V | 1 0V 2 0V | 5 0V |
| IC8 | 2 4.8V 3 0V 6 0V 8 4.8V | 4 OV 6 OV 8 OV 16 4.8V | 1 0V 2 0V | 5 0V |
| IC9 | 10 4.8V 15 0V 22 0V 27 4.8V 28 4.8V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC10 | 41 4.8V 42 4.8V 43 4.8V 44 4.8V 45 4.8V | 9 0V 18 4.8V 21 0V 22 0V 28 0V | 1 0V 2 0V | 14 OV 15 OV 16 5V |
| IC11 | 12 OV 18 OV 24 4.8V | 8 OV 15 4.8V 16 4.8V | 1 0V 2 0V | 3 OV |
| IC12 | 4 OV 6 OV 8 OV 16 4.8V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC13 | 15 0V 22 0V 27 4.8V 28 4.8V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC14 | 41 4.8V 42 4.8V 43 4.8V 44 4.8V 45 4.8V | 9 0V 18 4.8V 21 0V 22 0V 28 0V | 1 0V 2 0V | 5 0V 12 OV |
| IC15 | 21 0V 30 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC16 | 5 0V 15 4.8V 16 12V | 34 4.8V 42 4.8V | 1 0V 2 0V | 5 0V 12 OV |
| IC17 | 5 0V 8 8.1V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC18 | 12 OV 13 OV 14 OV 16 5V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC19 | 4 -12V 8 12V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC20 | 15 0V 22 0V 27 4.8V 28 4.8V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC21 | 9 0V 18 4.8V 21 0V 22 0V 28 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC22 | 15 0V 16 15V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC23 | 3 0V 4 -12V 5 0V 8 12V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC24 | 1 0V 2 0V 3 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC25 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC26 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC27 | 4 -12V 8 12V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC28 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC29 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC30 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC31 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC32 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC33 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC34 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC35 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC36 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC37 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC38 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC39 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC40 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC41 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC42 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC43 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC44 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC45 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC46 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC47 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC48 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC49 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC50 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC51 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC52 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC53 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC54 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC55 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC56 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC57 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC58 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC59 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC60 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC61 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC62 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC63 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC64 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC65 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC66 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC67 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC68 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC69 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC70 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC71 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC72 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC73 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC74 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC75 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC76 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC77 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC78 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC79 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC80 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC81 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC82 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC83 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC84 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC85 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC86 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC87 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC88 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC89 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC90 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC91 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC92 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC93 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC94 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC95 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC96 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC97 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC98 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC99 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC100 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC101 | 1 0V 2 0V | 1 0V 2 0V | 5 0V 12 OV | 13 OV |
| IC102 | 1 0V | | | |

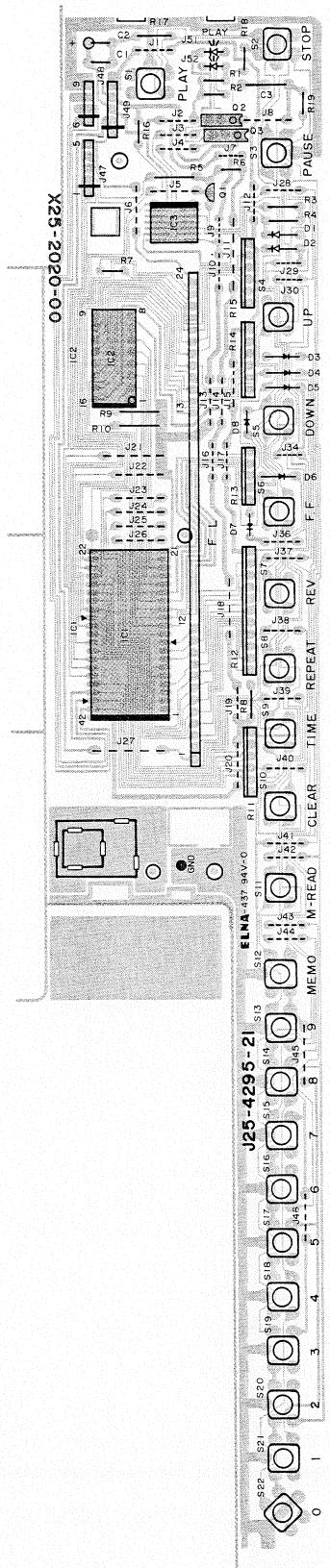
DP-1100/B DP-1100/B

PC BOARD

SERVO UNIT (X29-1520-00) Component side view



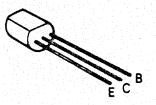
INDICATOR UNIT (X25-2020-00)
Component side view



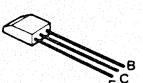
KENWOOD

COMPACT DISC PLAYER

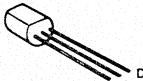
2SA1015 2SC1815
2SA1127NC 2SC2320
2SA733(A) 2SC2878
2SA995(A) 2SC945(A)
2SC1685



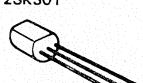
2SB605
2SD571



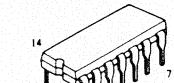
2SK125



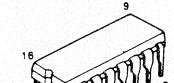
2SK170
2SK301



TC40H004P
TC4011BP
UPD4011BC



UPD4520BC
TC4520BP
TC5067BP



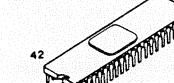
TA75393S
AN6913



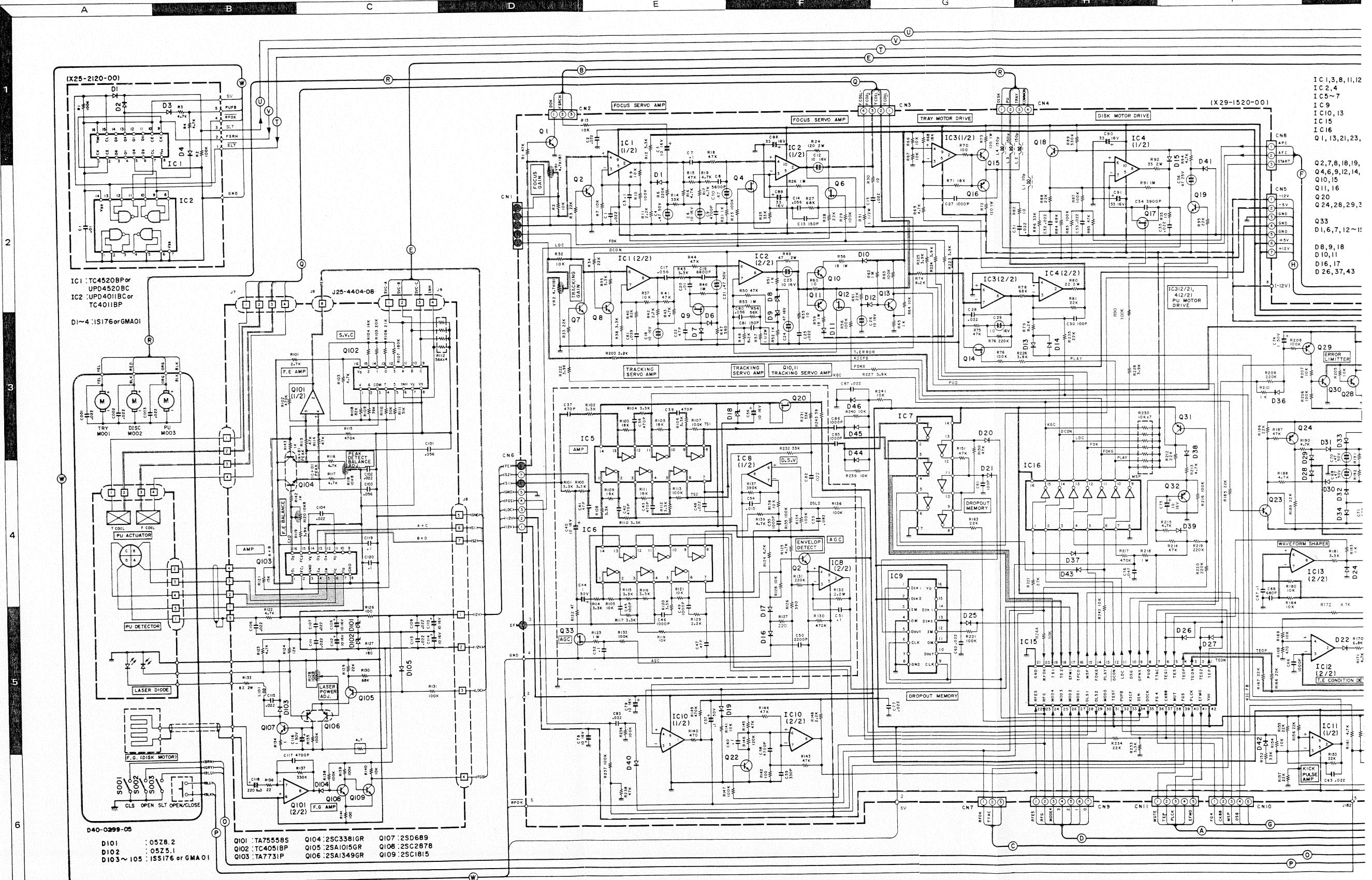
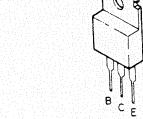
AN6555
AN6913



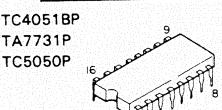
T7001-0007



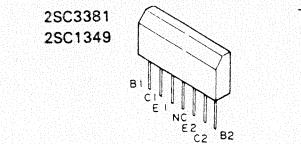
2SD689



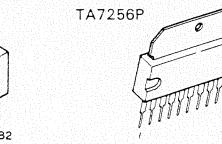
TC4051BP
TA7731P
TC5050P



2SC3381
2SC1349



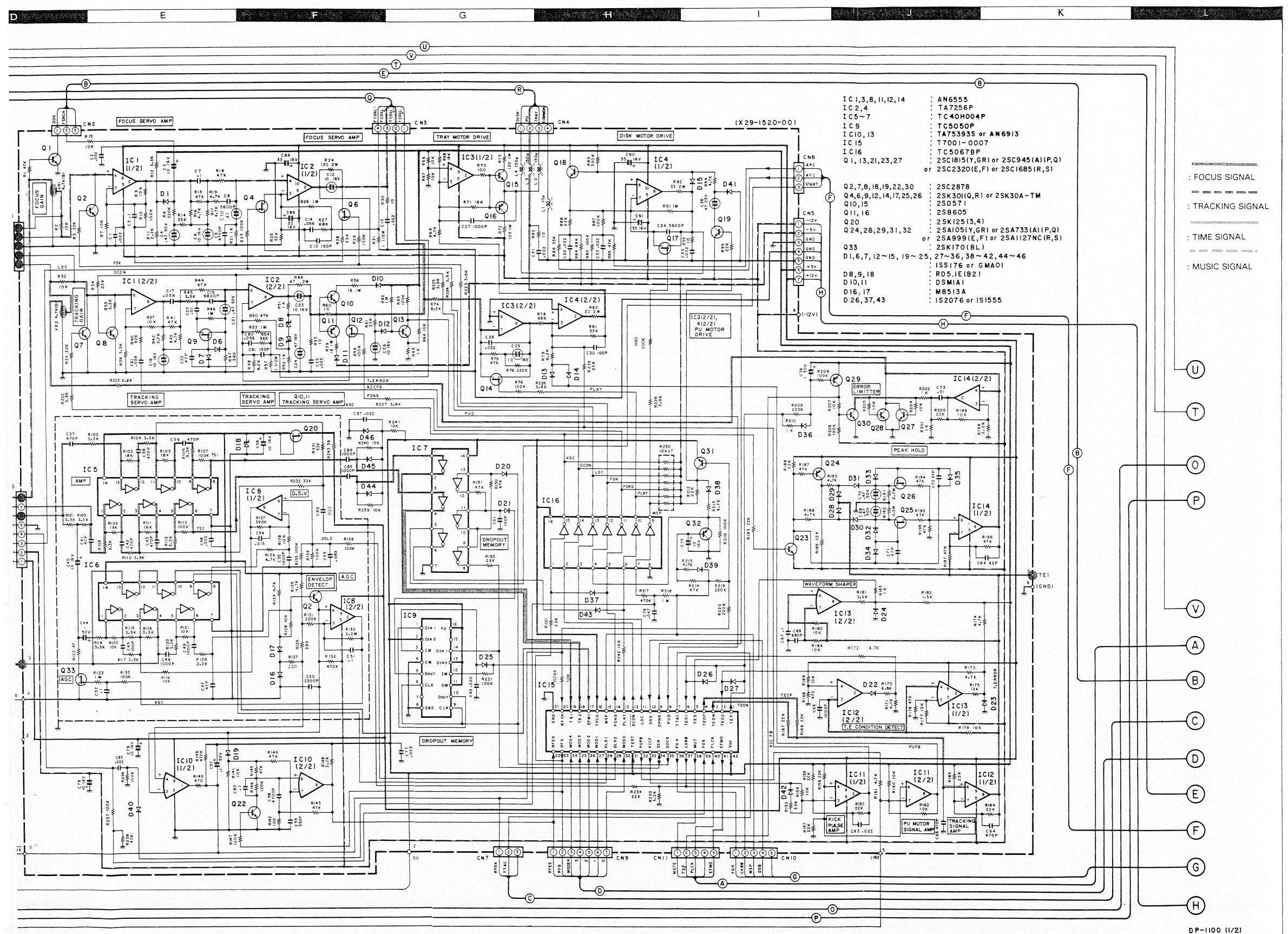
TA7256P



DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées à haute impédance. Les valeurs peuvent varier légèrement du fait des variations entre les appareils et les instruments de mesure.

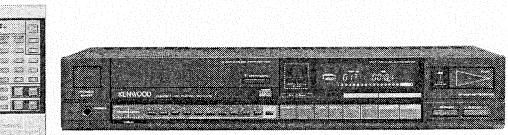
COMPACT DISC PLAYER



DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig.



Specifications

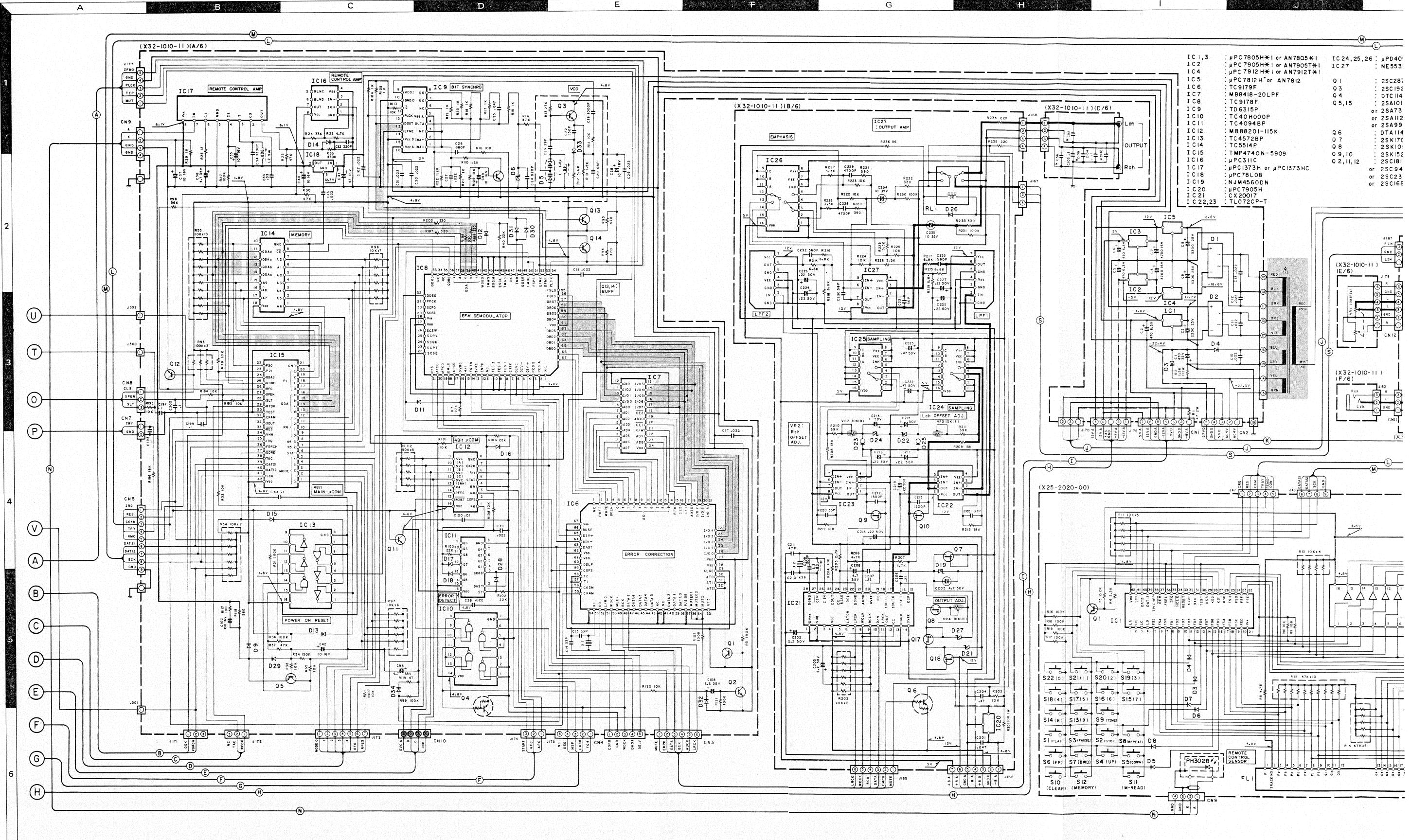
| | |
|---------------------------|--|
| Compact disc player | |
| Disc loading system | Linear skate disc loading mechanism |
| Frequency response | 2 Hz — 20 kHz, ±0.5 dB |
| Dynamic range | 95 dB or more |
| Signal-to-noise ratio | 95 dB or more |
| Total harmonic distortion | Less than 0.0015% (1 kHz) |
| Channel separation | 90 dB or more (1 kHz) |
| Wow and flutter | Below measurable limit |
| Output level | 2 V |
| Output impedance | 600Ω |
| Sampling frequency | 44.1 kHz |
| Quantization | 16 bit linear quantizing/channel |
| Spindle speed | 200 — 500 rpm |
| Pickup | Semiconductor laser (GaAlAs) |
| Error correction | C.I.R.C |
| Tune selection | TNO (Music No.), INDEX (Index No.) |
| Number of tune search | Up to 99 |
| Access time | Average 2 seconds |
| Number of memory | 16 |
| Repeat play | Endless |
| Power supply | AC 120 V, 60 Hz (USA and Canada) AC 120 V — AC 220/240 V, 50/60 Hz (Others) |
| Power consumption | 20 W (USA and Canada), 23 W (Others) |
| Dimensions | 440(W) × 88(H) × 310(D) mm |
| Weight | 6.8 kg |
| Remote control unit | Infrared control |
| System | |
| Effective distance | 4 m |
| Effective angle | ±30° from the center axis |
| Dimensions | 140(H) × 54(W) × 12(D) mm |
| Batteries | AAA or R03 × 2 (option) |
| Weight | 50 g (without batteries) |

Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

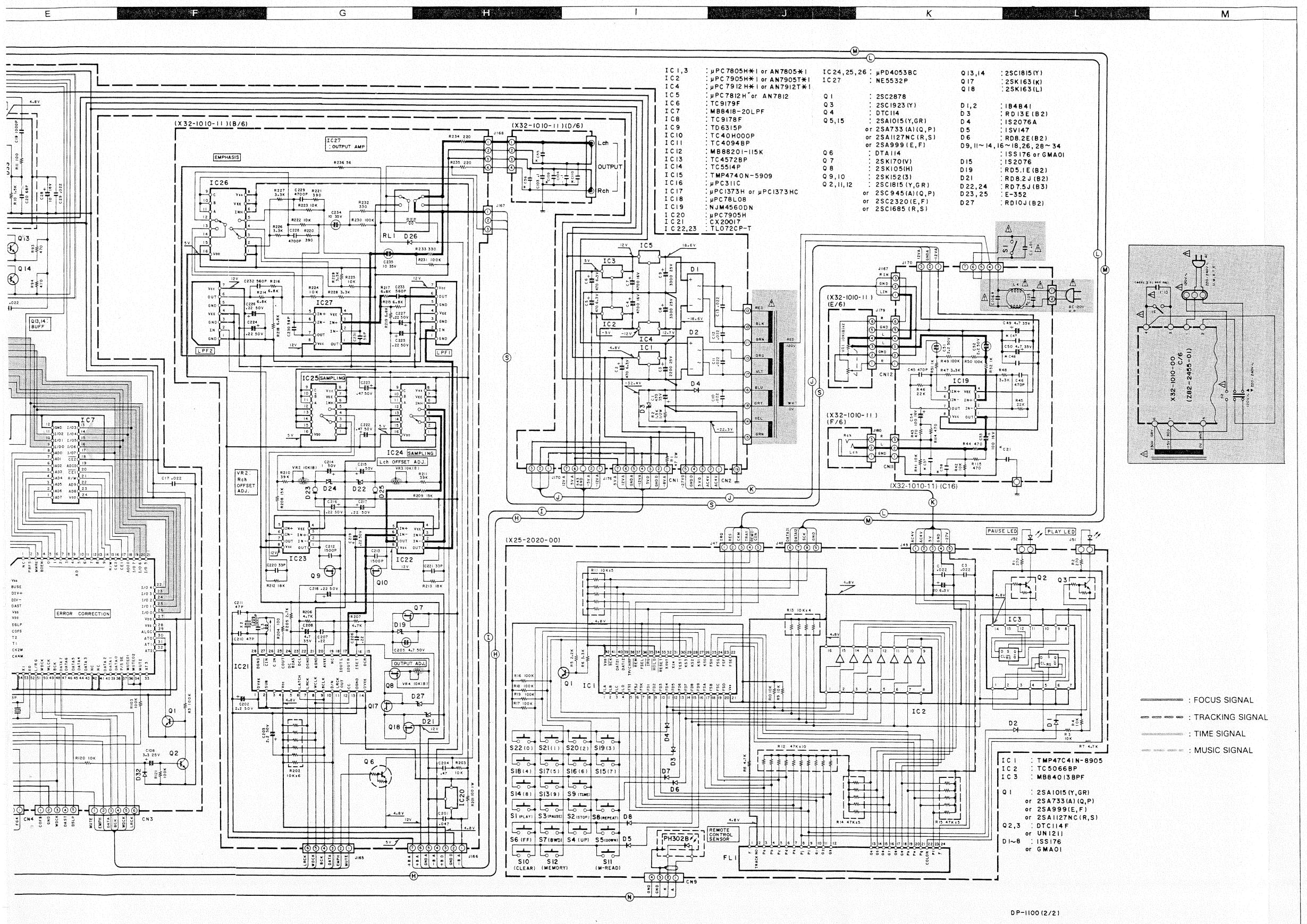
Kenwood poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

Kenwood strebt ständige Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.**



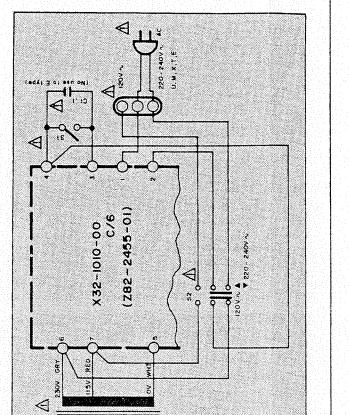
COMPACT DISC PLAYER



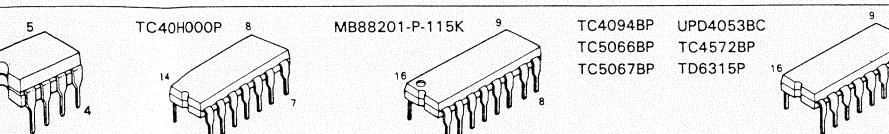
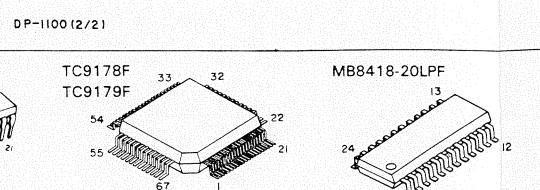
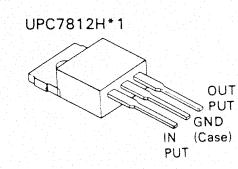
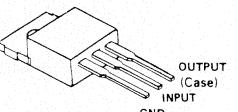
| Parts | AREA Change destination | | | |
|----------------|-------------------------|-------------|-------------|-------------|
| | X32-1010-00 | X32-1010-01 | X32-1010-11 | X32-1012-71 |
| C47, 48 | No use | No use | No use | 0.022μ |
| C55, 56 | No use | No use | No use | 3300p |
| C57, 58 | No use | No use | No use | 0.01μ |
| C21 | 0.1μ | 0.1μ | 0.1μ | 0.82μ |
| C105, 106 | C91-0023-05 | C91-0023-05 | C91-0647-05 | C91-0647-05 |
| C109, 110 | No use | No use | No use | 0.01μ |
| Headphone jack | E11-0331-05 | E11-0103-05 | E11-0103-05 | E11-0103-05 |

TRIO-KENWOOD Corp. certifies this equipment conforms to DHHS Regulations No. 21 CFR 1040.10, Chapter I, Subchapter J.

DANGER: Laser radiation when open and interlock defeated.
AVOID DIRECT EXPOSURE TO BEAM.

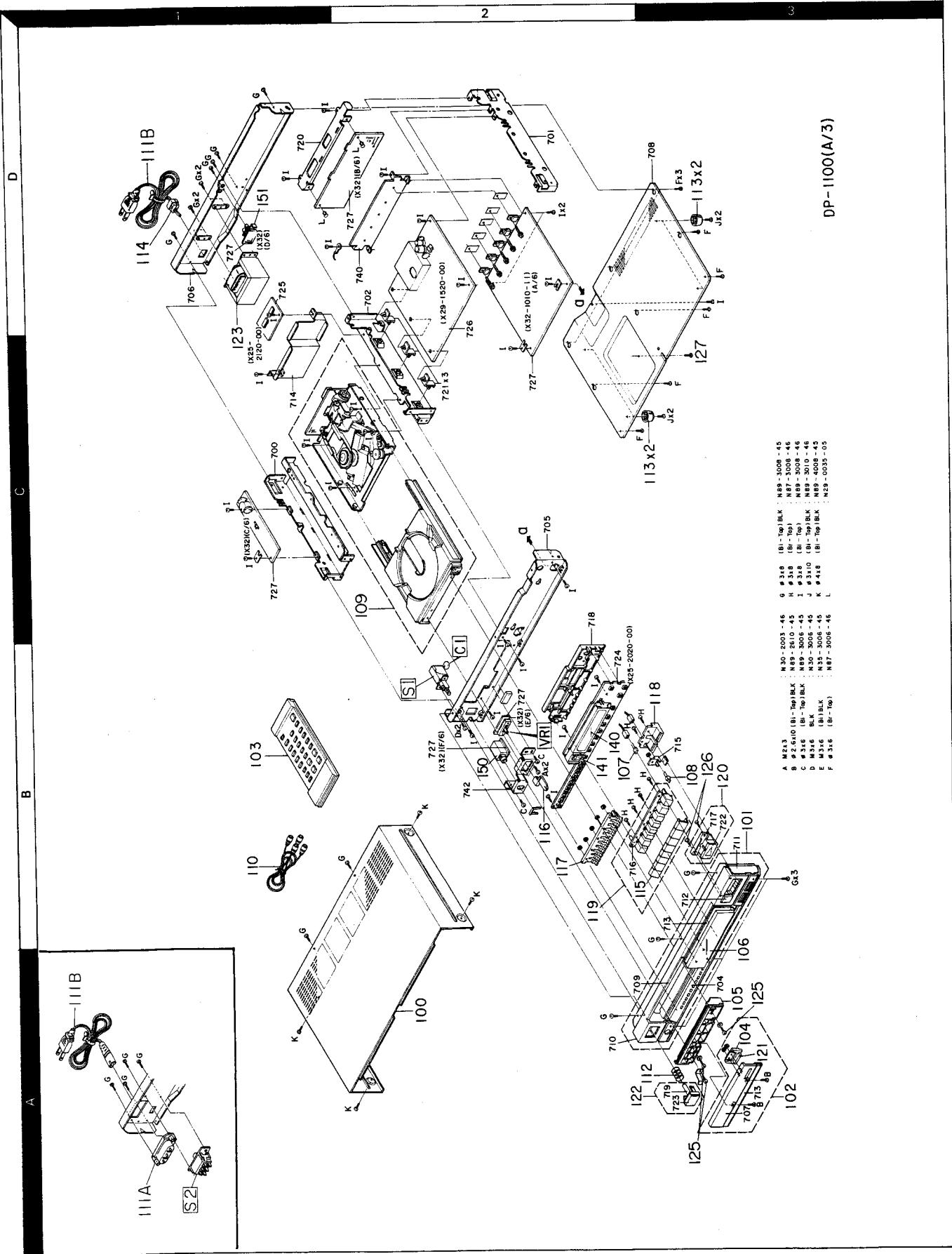


UPC7805H
UPC7805H*1
UPC7912H*1



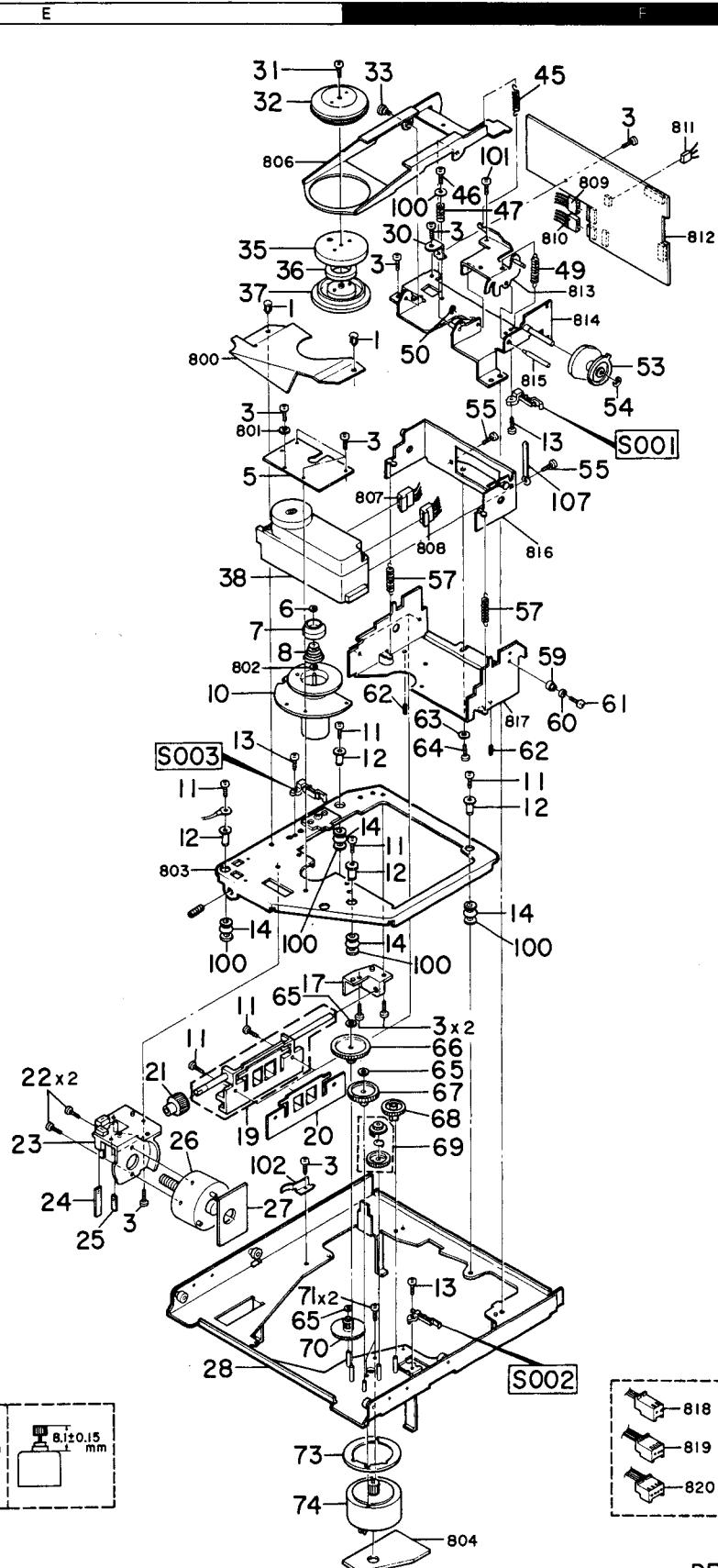
EXPLODED VIEW

Exploded view No. 700 ~ are not supplied.



EXPLODED VIEW

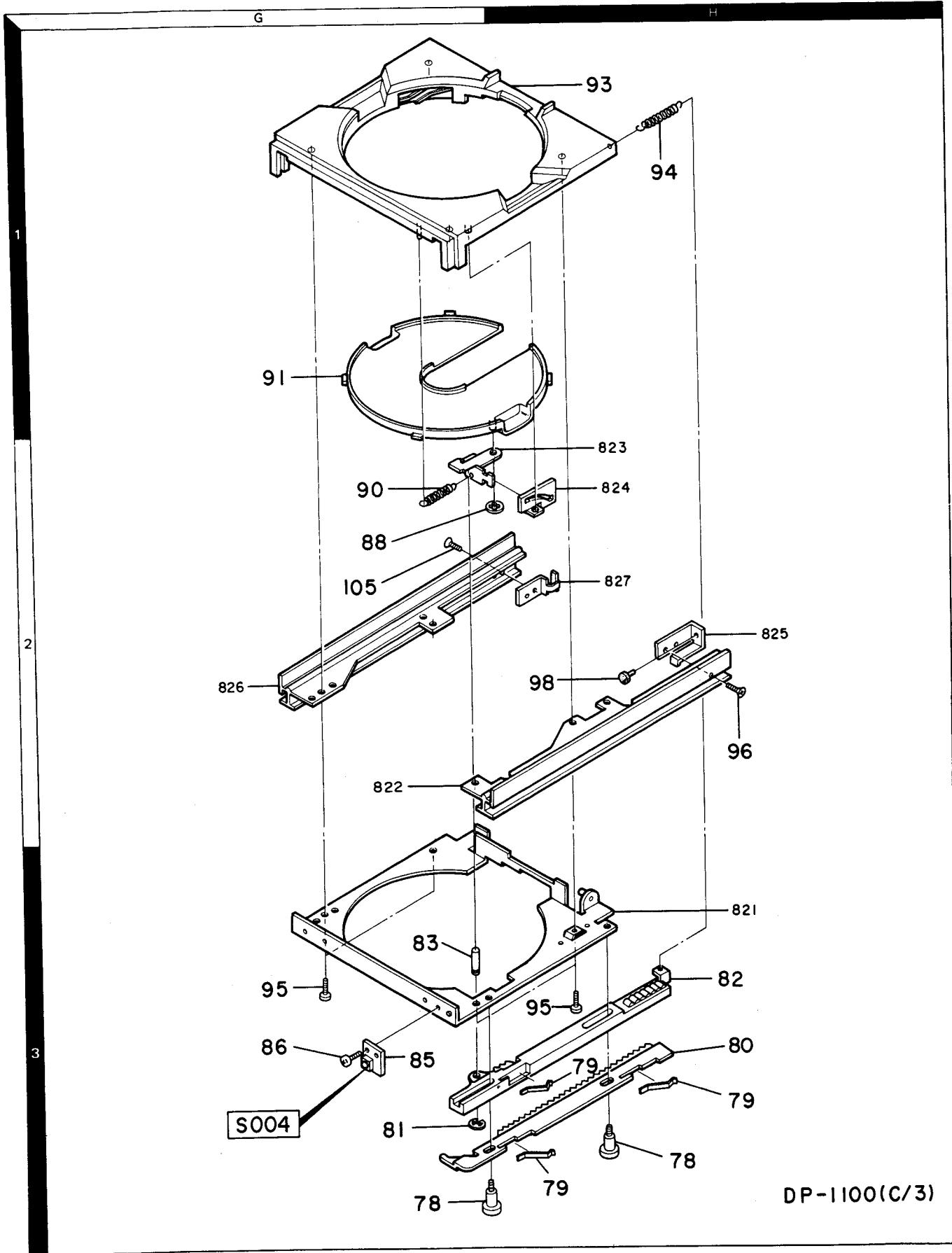
Exploded view No. 800 ~ are not supplied.



DP-1100(B/3)

EXPLODED VIEW

Exploded view No. 800 ~ are not supplied.



DP-1100(C/3)

PARTS LIST

* New Parts
 Parts without Parts No. are not supplied.
 Les articles non mentionnés dans le Parts No. ne sont pas fournis.
 Teile ohne Parts No. werden nicht geliefert.

| Ref. No. 参照番号 | Address 位 置 | New Parts 新 | Parts No. 部品番号 | Description 部品名 / 規格 | Desti- nation 仕 向 | Re- marks 備考 |
|------------------|----------------|-------------------|-------------------|--------------------------------|-------------------------|--------------------|
| DP-1100/B | | | | | | |
| 100 | 2A | * | A01-0684-03 | METALLIC CABINET | T2 | |
| 100 | 2A | * | A01-1303-03 | METALLIC CABINET | KPUMX | |
| 100 | 2A | * | A01-1303-03 | METALLIC CABINET | TE | |
| 101 | 3B | * | A20-3755-02 | PANEL ASSY | T2 | |
| 101 | 3B | * | A20-3756-02 | PANEL ASSY | KPUMX | |
| 101 | 3B | * | A20-3756-02 | PANEL ASSY | TE | |
| 102 | 3A | * | A29-0045-03 | TRAY PANEL ASSY | T2 | |
| 102 | 3A | * | A29-0048-03 | TRAY PANEL ASSY | KPUMX | |
| 102 | 3A | * | A29-0048-03 | TRAY PANEL ASSY | E | |
| 102 | 3A | * | A29-0050-03 | TRAY PANEL ASSY | T | |
| 103 | 1B | * | A70-0123-05 | REMOTE CONTROLLER ASSY | TT2 | |
| 103 | 1B | * | A70-0124-05 | REMOTE CONTROLLER ASSY | KPUMX | |
| 103 | 1B | * | A70-0124-05 | REMOTE CONTROLLER ASSY | E | |
| 104 | 3A | * | B07-1240-04 | ESCUTCHEON (OPEN/CLOSE) | | |
| 105 | 3A | * | B07-1241-02 | ESCUTCHEON | | |
| 106 | 3A | * | B10-0441-04 | FRONT GLASS(A) | | |
| 107 | 3B | * | B30-0321-05 | LED (PLAY IND.) PR7551K | | |
| 108 | 3B | * | B30-1005-05 | LED (PAUSE) | | |
| - | | | B46-0092-03 | WARRANTY CARD | K | |
| - | | | B46-0093-03 | WARRANTY CARD | P | |
| - | | | B46-0094-03 | WARRANTY CARD | U | |
| - | | | B46-0095-03 | WARRANTY CARD | U | |
| - | | | B46-0096-03 | WARRANTY CARD | X | |
| - | | | B46-0097-03 | WARRANTY CARD | TT2 | |
| - | | | B46-0098-03 | WARRANTY CARD | E | |
| - | | * | B50-5079-00 | INSTRUCTION MANUAL (E) | KPUMX | |
| - | | * | B50-5080-00 | INSTRUCTION MANUAL (F) | PMXE | |
| - | | * | B50-5081-00 | INSTRUCTION MANUAL (SP) | M | |
| - | | * | B50-5082-00 | INSTRUCTION MANUAL (E) | T | |
| - | | * | B50-5083-00 | INSTRUCTION MANUAL (D,G,I,SW) | E | |
| - | | * | B50-5276-00 | INSTRUCTION MANUAL (E) | T2 | |
| - | | * | B59-0092-00 | SERVICE DIRECTORY | U | |
| ▲ C1 | | | C91-0023-05 | CERAMIC 0.01UF | AC250V | UMX |
| ▲ C1 | | | C91-0647-05 | CERAMIC 0.01UF | P | KPTT2 |
| 109 | 2C | * | D40-0299-05 | MECHANISM ASSY | | |
| 110 | 1B | | E30-0505-05 | AUDIO CORD | | |
| △ 111A | 1A | | E03-0102-15 | AC INLET | UMXTE | |
| △ 111A | 1A | | E03-0102-15 | AC INLET | T2 | |
| △ 111B | 1D | | E30-0181-05 | AC POWER CORD | K | |
| △ 111B | 1D | | E30-0780-05 | AC POWER CORD | P | |
| △ 111B | 1A | | E30-1305-15 | AC POWER CORD (INLET) | UM | |
| △ 111B | 1A | | E30-1328-15 | AC POWER CORD (INLET) | TT2 | |
| △ 111B | 1A | | E30-1329-05 | AC POWER CORD (INLET) | E | |
| △ 111B | 1A | | E30-1342-05 | AC POWER CORD (INLET) | X | |
| △ 112 | 3A | | G01-0359-04 | COMPRESSION SPRING(POWER KNOB) | | |
| - | | * | H01-5053-04 | ITEM CARTON CASE | T2 | |
| - | | * | H01-5054-04 | ITEM CARTON CASE | KPUMX | |
| - | | * | H01-5054-04 | ITEM CARTON CASE | E | |
| - | | * | H01-5064-04 | ITEM CARTON CASE | T | |
| - | | * | H09-0089-04 | ITEM CARTON CASE | | |
| - | | * | H10-1712-02 | POLYSTYRENE FOAMED FIXTURE | | |

E: Scandinavia & Europe H: Audio Club K: USA

P: Canada

T2 : Silver type

S: South Africa

T: England

U: PX(Far East, Hawaii)

UE: AAFES(Europe)

X: Australia

M: Other Areas

▲ indicates safety critical components.

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

| Ref. No. 参照番号 | Address 位置 | New Parts 新 | Parts No. 部品番号 | Description 部品名／規格 | Desti- nation 仕向 | Re- marks 備考 |
|-------------------------------------|---------------|-------------------|---|--|------------------------|--------------------|
| - | | * | H12-0155-04 H20-0417-04 H25-0078-04 H25-0113-04 H25-0113-04 | CARTON BOARD PROTECTION COVER PROTECTION BAG PROTECTION BAG PROTECTION BAG | M UMXTE T2 | |
| - | | * | H25-0216-04 H25-0216-04 H40-0005-04 | PROTECTION BAG PROTECTION BAG RUST PREVENTING PAPER | KPUXT ET2 M | |
| 113 | 3C, 3D | | J02-0126-05 | FOOT | | |
| 114 | 1D | | J42-0083-05 | POWER CORD BUSHING | KP | |
| - | | * | J50-0114-05 | HINGE | | |
| 115 | 3A | * | K27-1128-04 | KNOB (BUTTON) OPERATION | T2 | |
| 115 | 3A | * | K27-1188-04 | KNOB (BUTTON) OPERATION | KPUMX | |
| 115 | 3A | * | K27-1188-04 | KNOB (BUTTON) OPERATION | TE | |
| 116 | 2B | * | K27-1130-14 | KNOB (BUTTON) PHONES LEVEL | T2 | |
| 117 | 2B | | K29-1472-23 | KNOB (11KEY) | | |
| 117 | 2B | | K29-1568-23 | KNOB (11KEY) | KPUMX | |
| 117 | 2B | | K29-1568-23 | KNOB (11KEY) | TE | |
| 118 | 3B | | K29-1473-13 | KNOB (STOP) | T2 | |
| 118 | 3B | | K29-1569-13 | KNOB (STOP) | KPUMX | |
| 118 | 3B | | K29-1569-13 | KNOB (STOP) | TE | |
| 119 | 2A | * | K29-1474-04 | KNOB ASSY (BKEY) | T2 | |
| 119 | 2A | * | K29-1570-04 | KNOB ASSY (BKEY) | KPUMX | |
| 119 | 2A | * | K29-1570-04 | KNOB ASSY (BKEY) | TE | |
| 120 | 3B | | K29-1475-14 | KNOB ASSY (PLAY) | T2 | |
| 120 | 3B | | K29-1572-14 | KNOB ASSY (PLAY) | KPUMX | |
| 120 | 3B | | K29-1572-14 | KNOB ASSY (PLAY) | TE | |
| 121 | 3A | * | K29-1476-04 | KNOB (EJECT) | T2 | |
| 121 | 3A | * | K29-1574-04 | KNOB (EJECT) | KPUMX | |
| 121 | 3A | * | K29-1574-04 | KNOB (EJECT) | TE | |
| 122 | 3A | * | K29-1477-04 | KNOB ASSY (POWER) | T2 | |
| 122 | 3A | * | K29-1575-04 | KNOB ASSY (POWER) | KPUMX | |
| 122 | 3A | * | K29-1575-04 | KNOB ASSY (POWER) | TE | |
| 123 | 1D | * | L01-3441-05 | POWER TRANSFORMER | KP | |
| 123 | 1D | * | L01-3444-05 | POWER TRANSFORMER | UMXTE | |
| 123 | 1D | * | L01-3444-05 | POWER TRANSFORMER | T2 | |
| 125 | 3A | | N09-0312-05 | SEMS (MACHINE SCREW) | | |
| 126 | 3B | | N09-0332-05 | SEMS (TAPITITE SCREW) | | |
| 127 | 3C | * | N09-1333-05 | MACHINE SCREW | | |
| S1 | 2B | | S40-1067-05 | PUSH SWITCH (POWER TYPE) | | |
| S2 | 1A | | S31-2083-05 | SLIDE SWITCH (POWER TYPE) | UMXTE | |
| S2 | 1A | | S31-2083-05 | SLIDE SWITCH (POWER TYPE) | T2 | |
| INDICATOR UNIT (X25-2020-00) | | | | | | |
| C1 C2 C3 | | | C91-0699-05 CEO4FW1C100M C91-0085-05 | CERAMIC 0.1UF ELECTRO 10UF CERAMIC 0.022UF | J 16WV N | |
| R11 R12 R13 R14 ,15 | | * | R90-0228-05 R90-0273-05 R90-0233-05 R90-0274-05 | MULTI-COMP 10KX5 MULTIPLE RESISTOR MULTI-COMP 10KX4 MULTIPLE RESISTOR | J 2B J 2B | |
| S1 -3 S4 -11 | | | S40-1068-05 S40-1064-05 | PUSH SWITCH (PLAY/PAUSE/STOP) PUSH SW(UP/DOWN/FF/BWD/REP/TM) | | |

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|---------------------------------|---------------|-------------------|-------------------|----------------------------|---------|------|------------------------|--------------------|
| S12 -22 | | | S40-1068-05 | PUSH SWITCH (MEMO/NUMBERS) | | | | |
| 140 | 2B | * | CP2095GR | FLUORESCENT INDICATOR TUBE | | | | |
| 141 | 2B | * | PH302B | PHOTO DIODE | | | | |
| D1 -6 | | | GMA01 | DIODE | | | | |
| D1 -6 | | * | 1SS176 | DIODE | | | | |
| D7 ,8 | | | GMA01 | DIODE | | | | |
| D7 ,8 | | | 1SS176 | DIODE | | | | |
| IC1 | | * | TMP47C41N-8905 | IC | | | | |
| IC2 | | * | TC5066BP | IC | | | | |
| IC3 | | * | MB84013BPF | IC | | | | |
| Q1 | | | 2SA1015(Y,GR) | TRANSISTOR | | | | |
| Q1 | | | 2SA1127NC(R,S) | TRANSISTOR | | | | |
| Q1 | | | 2SA733(A)(Q,P) | TRANSISTOR | | | | |
| Q1 | | | 2SA999(E,F) | TRANSISTOR | | | | |
| Q2 ,3 | | * | DTC114F | TRANSISTOR | | | | |
| Q2 ,3 | | | UN1211 | TRANSISTOR | | | | |
| SUB UNIT (X25-2120-00) | | | | | | | | |
| C1 | | | CK45FF1H103Z | CERAMIC | 0.01UF | Z | | |
| D1 -4 | | | GMA01 | DIODE | | | | |
| D1 -4 | | | 1SS176 | DIODE | | | | |
| IC1 | | * | TC4520BP | IC | | | | |
| IC1 | | * | UPD4520BC | IC | | | | |
| IC2 | | | TC4011BP | IC | | | | |
| IC2 | | | UPD4011BC | IC | | | | |
| SERVO UNIT (X29-1520-00) | | | | | | | | |
| C1 ,2 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C3 | | | CF92FV1H104J | MF | 0.10UF | J | | |
| C4 | | | CEO4HW1H2R2M | NP-ELEC | 2.2UF | 50WV | | |
| C5 | | | CEO4FW1C100M | ELECTRON | 10UF | 16WV | | |
| C6 | | * | CEO4HW1C100M | NP-ELEC | 10UF | 16WV | | |
| C7 | | | CF92FV1H104J | MF | 0.10UF | J | | |
| C8 | | | CF92FV1H562J | MF | 5600PF | J | | |
| C9 | | | CF92FV1H472J | MF | 4700PF | J | | |
| C10 | | | CEO4HW1HR47M | NP-ELEC | 0.47UF | 50WV | | |
| C12 | | | CEO4HW1C100M | NP-ELEC | 10UF | 16WV | | |
| C13 | | | CC45FSL1H151J | CERAMIC | 150PF | J | | |
| C14 | | | CF92FV1H563J | MF | 0.056UF | J | | |
| C15 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C16 | | | CF92FV1H393J | MF | 0.039UF | J | | |
| C17 | | | CF92FV1H563J | MF | 0.056UF | J | | |
| C18 | | * | CEO4HW1C100M | NP-ELEC | 10UF | 16WV | | |
| C19 | | * | CF92FV1H682J | MF | 6800PF | J | | |
| C20 | | | CF92FV1H103J | MF | 0.010UF | J | | |
| C21 | | | CEO4HW1HR47M | NP-ELEC | 0.47UF | 50WV | | |
| C22 | | | CC45FSL1H470J | CERAMIC | 47PF | J | | |
| C23 | | * | CEO4HW1C100M | NP-ELEC | 10UF | 16WV | | |
| C24 | | * | CEO4HW1C470M | NP-ELEC | 47UF | 16WV | | |
| C25 | | * | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C26 | | * | CEO4HW1C100M | NP-ELEC | 10UF | 16WV | | |
| C27 | | * | CK45FB1H102K | CERAMIC | 0.001UF | K | | |
| C28 | | * | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C29 | | * | CEO4HW1C100M | NP-ELEC | 10UF | 16WV | | |
| C30 | | * | CC45FSL1H101J | CERAMIC | 100PF | J | | |

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|------------------|----------------|-------------------|-------------------|-------------------------|----------|------|-------------------------|--------------------|
| C31 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C32 ,33 | | | CF92FV1H223J | MF | 0.022UF | J | | |
| C34 | | | CF92FV1H392J | MF | 3900PF | J | | |
| C35 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C36 | | | CE04HW1E470M | NP-ELEC | 47UF | 25WV | | |
| C37 -39 | | | CK45FB1H471K | CERAMIC | 470PF | K | | |
| C40 | | | CE04FW1C100M | ELECTRO | 10UF | 16WV | | |
| C41 -43 | | | CK45FB1H471K | CERAMIC | 470PF | K | | |
| C44 | | | CE04FW1H010M | ELECTRO | 1UF | 50WV | | |
| C45 | | | CC45FSL1H101J | CERAMIC | 100PF | J | | |
| C46 | | | CK45FB1H102K | CERAMIC | 0.001UF | K | | |
| C47 | | | CC45FSL1H470J | CERAMIC | 47PF | J | | |
| C48 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C49 | | | CK45FB1H102K | CERAMIC | 0.001UF | K | | |
| C50 | | | CF92FV1H222J | MF | 2200PF | J | | |
| C51 ,52 | | | CF92FV1H104J | MF | 0.10UF | J | | |
| C53 | | | CF92FV1H823J | MF | 0.082UF | J | | |
| C54 | | | CF92FV1H153J | MF | 0.015UF | J | | |
| C55 | | | CF92FV1H102J | MF | 1000PF | J | | |
| C56 | | | CE04FW1C100M | ELECTRO | 10UF | 16WV | | |
| C57 | | | CE04FW1H0R1M | ELECTRO | 0.1UF | 50WV | | |
| C58 | | | CF92FV1H472J | MF | 4700PF | J | | |
| C59 | | | CC45FSL1H331J | CERAMIC | 330PF | J | | |
| C60 | | | CF92FV1H104J | MF | 0.10UF | J | | |
| C61 | | | CC45FSL1H101J | CERAMIC | 100PF | J | | |
| C62 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C63 | | | CF92FV1H223J | MF | 0.022UF | J | | |
| C64 ,65 | | | CK45FB1H471K | CERAMIC | 470PF | K | | |
| C66 | | | CK45FB1H102K | CERAMIC | 0.001UF | K | | |
| C67 | | | CF92FV1H104J | MF | 0.10UF | J | | |
| C68 | | | CC45FSL1H331J | CERAMIC | 330PF | J | | |
| C69 ,70 | | | CE04HW1HR47M | NP-ELEC | 0.47UF | 50WV | | |
| C71 ,72 | | | CC45FSL1H470J | CERAMIC | 47PF | J | | |
| C73 | | | CF92FV1H103J | MF | 0.010UF | J | | |
| C74 | | | CE04FW1H010M | ELECTRO | 1UF | 50WV | | |
| C75 | | | CE04FW1C100M | ELECTRO | 10UF | 16WV | | |
| C76 | | | CF92FV1H473J | MF | 0.047UF | J | | |
| C77 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C78 ,79 | | | CE04FW1C100M | ELECTRO | 10UF | 16WV | | |
| C80 | | | CF92FV1H563J | MF | 0.056UF | J | | |
| C81 | | | CC45FSL1H151J | CERAMIC | 150PF | J | | |
| C82 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C83 | | | CF92FV1H223J | MF | 0.022UF | J | | |
| C84 | | | CC45FSL1H820J | CERAMIC | 82PF | J | | |
| C85 ,86 | | | CK45FB1H102K | CERAMIC | 0.001UF | K | | |
| C87 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C88 -91 | | | CE04FW1C330M | ELECTRO | 33UF | 16WV | | |
| L1 | | | L40-1001-14 | SMALL FIXED | INDUCTOR | | | |
| L2 -4 | | | L40-1511-14 | SMALL FIXED | INDUCTOR | | | |
| R24 | | * | RS14KB3D121J | FL-PR00F | RS 120 | J 3D | | |
| R31 | | * | RS14KB2H1R0J | FL-PR00F | RS 1.0 | J 2H | | |
| R49 | | | RS14KB3D470J | FL-PR00F | RS 47 | J 3D | | |
| R57 | | * | RS14KB2H1R0J | FL-PR00F | RS 1.0 | J 2H | | |
| R58 ,59 | | * | RS14KB3A180J | FL-PR00F | RS 18 | J 3A | | |

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|------------------|----------------|-------------------|-------------------|---------------------------------|-------------------------|--------------------|
| R72 ,73 | | * | RS14KB3A121J | FL-PROOF RS 120 | J 3A | |
| R80 | | * | RS14KB3D220J | FL-PROOF RS 22 | J 3D | |
| R92 | | * | RS14KB3D330J | FL-PROOF RS 33 | J 3D | |
| R230 | | | R90-0234-05 | MULTI-COMP 10KX7 | J 2B | |
| VR1 ,2 | | | R12-1053-05 | TRIM.POT. 4.7K(F9UCAS/TRACKING) | | |
| D1 | | | GMA01 | DIODE | | |
| D1 | | | 1SS176 | DIODE | | |
| D6 ,7 | | | GMA01 | DIODE | | |
| D6 ,7 | | | 1SS176 | DIODE | | |
| D8 ,9 | | | RD5.1E(B2) | ZENER DIODE | | |
| D10 ,11 | | * | DSM1A1 | DIODE | | |
| D12 -15 | | | GMA01 | DIODE | | |
| D12 -15 | | | 1SS176 | DIODE | | |
| D16 ,17 | | * | MB513A | VARISTOR | | |
| D18 | | | RD5.1E(B2) | ZENER DIODE | | |
| D19 -25 | | | GMA01 | DIODE | | |
| D19 -25 | | | 1SS176 | DIODE | | |
| D26 | | | 1S1555 | DIODE | | |
| D26 | | | 1S2076 | DIODE | | |
| D27 -36 | | | GMA01 | DIODE | | |
| D27 -36 | | | 1SS176 | DIODE | | |
| D37 | | | 1S1555 | DIODE | | |
| D37 | | | 1S2076 | DIODE | | |
| D38 -42 | | | GMA01 | DIODE | | |
| D38 -42 | | | 1SS176 | DIODE | | |
| D43 | | | 1S1555 | DIODE | | |
| D43 | | | 1S2076 | DIODE | | |
| D44 -46 | | | GMA01 | DIODE | | |
| D44 -46 | | | 1SS176 | DIODE | | |
| IC1 | | | AN6555 | IC | | |
| IC2 | | * | TA7256P | IC | | |
| IC3 | | | AN6555 | IC | | |
| IC4 | | * | TA7256P | IC | | |
| IC5 -7 | | * | TC40H004P | IC | | |
| IC8 | | | AN6555 | IC | | |
| IC9 | | * | TC5050P | IC | | |
| IC10 | | * | AN6913 | IC | | |
| IC10 | | * | TA75393S | IC | | |
| IC11,12 | | | AN6555 | IC | | |
| IC13 | | * | AN6913 | IC | | |
| IC13 | | * | TA75393S | IC | | |
| IC14 | | | AN6555 | IC | | |
| IC15 | | * | T7001-0007 | IC | | |
| IC16 | | * | TC5067BP | IC | | |
| Q1 | | | 2SC1685(R,S) | TRANSISTOR | | |
| Q1 | | * | 2SC1815(Y,GR) | TRANSISTOR | | |
| Q1 | | | 2SC2320(E,F) | TRANSISTOR | | |
| Q1 | | | 2SC945(A)(Q,P) | TRANSISTOR | | |
| Q2 | | | 2SC287B | TRANSISTOR | | |
| Q4 | | | 2SK30A-TM | FET | | |
| Q4 | | | 2SK301(Q,R) | FET | | |
| Q6 | | | 2SK30A-TM | FET | | |
| Q6 | | | 2SK301(Q,R) | FET | | |
| Q7 ,8 | | | 2SC2878 | TRANSISTOR | | |
| Q9 | | | 2SK30A-TM | FET | | |

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|------------------|----------------|-------------------|-------------------|-------------------------|-------------------------|--------------------|
| Q9 | | | 2SK301(Q,R) | FET | | |
| Q10 | | | 2SD571(L,K) | TRANSISTOR | | |
| Q11 | | * | 2SB605(L,K) | TRANSISTOR | | |
| Q12 | | | 2SK30A-TM | FET | | |
| Q12 | | | 2SK301(Q,R) | FET | | |
| Q13 | | * | 2SC1685(R,S) | TRANSISTOR | | |
| Q13 | | * | 2SC1815(Y,GR) | TRANSISTOR | | |
| Q13 | | | 2SC2320(E,F) | TRANSISTOR | | |
| Q13 | | | 2SC945(A)(Q,P) | TRANSISTOR | | |
| Q14 | | | 2SK30A-TM | FET | | |
| Q14 | | | 2SK301(Q,R) | FET | | |
| Q15 | | | 2SD571(L,K) | TRANSISTOR | | |
| Q16 | | * | 2SB605(L,K) | TRANSISTOR | | |
| Q17 | | | 2SK30A-TM | FET | | |
| Q17 | | | 2SK301(Q,R) | FET | | |
| Q18 ,19 | | | 2SC2878 | TRANSISTOR | | |
| Q20 | | * | 2SK125(3,4) | FET | | |
| Q21 | | | 2SC1685(R,S) | TRANSISTOR | | |
| Q21 | | * | 2SC1815(Y,GR) | TRANSISTOR | | |
| Q21 | | | 2SC2320(E,F) | TRANSISTOR | | |
| Q21 | | | 2SC945(A)(Q,P) | TRANSISTOR | | |
| Q22 | | | 2SC2878 | TRANSISTOR | | |
| Q23 | | | 2SC1685(R,S) | TRANSISTOR | | |
| Q23 | | * | 2SC1815(Y,GR) | TRANSISTOR | | |
| Q23 | | | 2SC2320(E,F) | TRANSISTOR | | |
| Q23 | | | 2SC945(A)(Q,P) | TRANSISTOR | | |
| Q24 | | | 2SA1015(Y,GR) | TRANSISTOR | | |
| Q24 | | | 2SA1127NC(R,S) | TRANSISTOR | | |
| Q24 | | | 2SA733(A)(Q,P) | TRANSISTOR | | |
| Q24 | | | 2SA999(E,F) | TRANSISTOR | | |
| Q25 ,26 | | | 2SK30A-TM | FET | | |
| Q25 ,26 | | | 2SK301(Q,R) | FET | | |
| Q27 | | | 2SC1685(R,S) | TRANSISTOR | | |
| Q27 | | * | 2SC1815(Y,GR) | TRANSISTOR | | |
| Q27 | | | 2SC2320(E,F) | TRANSISTOR | | |
| Q27 | | | 2SC945(A)(Q,P) | TRANSISTOR | | |
| Q28 ,29 | | | 2SA1015(Y,GR) | TRANSISTOR | | |
| Q28 ,29 | | | 2SA1127NC(R,S) | TRANSISTOR | | |
| Q28 ,29 | | | 2SA733(A)(Q,P) | TRANSISTOR | | |
| Q28 ,29 | | | 2SA999(E,F) | TRANSISTOR | | |
| Q30 | | | 2SC2878 | TRANSISTOR | | |
| Q31 ,32 | | | 2SA1015(Y,GR) | TRANSISTOR | | |
| Q31 ,32 | | | 2SA1127NC(R,S) | TRANSISTOR | | |
| Q31 ,32 | | | 2SA733(A)(Q,P) | TRANSISTOR | | |
| Q31 ,32 | | | 2SA999(E,F) | TRANSISTOR | | |
| Q33 | | | 2SK170(BL) | FET | | |

SIGNAL PROCESS UNIT (X32-1010-11)

| | | | | | | | | |
|-------|--|---|--------------|---------|--------|-------|--|--|
| C1 | | | CEO4FW1V471M | ELECTRO | 470UF | 35WV | | |
| C2 | | | CEO4FW0J471M | ELECTRO | 470UF | 6.3WV | | |
| C3 | | * | C90-1279-05 | ELECTRO | 2200UF | 25WV | | |
| C4 | | * | C90-1286-05 | ELECTRO | 4700UF | 16WV | | |
| C5 ,6 | | | CEO4FW0J471M | ELECTRO | 470UF | 6.3WV | | |
| C7 | | * | C90-1286-05 | ELECTRO | 4700UF | 16WV | | |
| C8 ,9 | | * | C90-1280-05 | ELECTRO | 3300UF | 25WV | | |

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|------------------|---------------|-------------------|-------------------|-----------------------|---------|------|------------------------|--------------------|
| C10 -13 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C14 | | | CC45FSL1H330J | CERAMIC | 33PF | J | | |
| C15 | | | CC45FSL1H330J | CERAMIC | 33PF | J | | |
| C16 -18 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C19 | | | CK45FB1H102K | CERAMIC | 0.001UF | K | | |
| C20 | | * | CC45FSL1H680J | CERAMIC | 68PF | J | | |
| C21 | | * | CF92FV1H824J | MF | 0.82UF | J | E | |
| C21 | | * | C91-0699-05 | CERAMIC | 0.1UF | J | KPUMX | |
| C21 | | * | C91-0699-05 | CERAMIC | 0.1UF | J | TT2 | |
| C22 | | * | CC45FSL1H151J | CERAMIC | 150PF | J | | |
| C23 | | | CC45FSL1H390J | CERAMIC | 39PF | J | | |
| C24 | | | CK45FB1H821K | CERAMIC | 820PF | K | | |
| C25 | | | CF92FV1H473J | MF | 0.047UF | J | | |
| C26 | | | CK45FB1H681K | CERAMIC | 680PF | K | | |
| C27 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C28 | | | CE04FW1C100M | ELECTRO | 10UF | 16WV | | |
| C29 -31 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C32 | | | CC45FSL1H221J | CERAMIC | 220PF | J | | |
| C33 | | * | CF92FV1H334J | MF | 0.33UF | J | | |
| C34 | | * | CK45FB1H332K | CERAMIC | 3300PF | K | | |
| C35 | | | CE04FW1C100M | ELECTRO | 10UF | 16WV | | |
| C36 | | | CE04FW1V4R7M | ELECTRO | 4.7UF | 35WV | | |
| C37 | | | CE04FW1C100M | ELECTRO | 10UF | 16WV | | |
| C38 ,39 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C40 | | | CE04FW1C100M | ELECTRO | 10UF | 16WV | | |
| C41 | | | CE04FW1C470M | ELECTRO | 47UF | 16WV | | |
| C42 | | | CE04FW1A470M | ELECTRO | 47UF | 10WV | | |
| C44 | | | C91-0699-05 | CERAMIC | 0.1UF | J | | |
| C45 ,46 | | | CK45FB1H471K | CERAMIC | 470PF | K | | |
| C47 ,48 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | E | |
| C49 ,50 | | | CE04FW1V4R7M | ELECTRO | 4.7UF | 35WV | | |
| C51 ,52 | | | CE04HW1H2R2M | NP-ELEC | 2.2UF | 50WV | | |
| C53 ,54 | | | CE04FW1C101M | ELECTRO | 100UF | 16WV | | |
| C55 ,56 | | | CF92FV1H332J | MF | 3300PF | J | E | |
| C57 ,58 | | | CF92FV1H103J | MF | 0.010UF | J | E | |
| C98 | | | CE04FW1V4R7M | ELECTRO | 4.7UF | 35WV | | |
| C99 | | | CE04FW1C100M | ELECTRO | 10UF | 16WV | | |
| C100 | | | CK45FF1H103Z | CERAMIC | 0.01UF | Z | | |
| C102 | | | CE04FW1C101M | ELECTRO | 100UF | 16WV | | |
| C103,104 | | | C91-0699-05 | CERAMIC | 0.1UF | J | | |
| △ C105,106 | | | C91-0647-05 | CERAMIC | 0.01UF | P | | |
| C107 | | | CK45FF1H223Z | CERAMIC | 0.022UF | Z | | |
| C108 | | | CE04FW1H3R3M | ELECTRO | 3.3UF | 50WV | | |
| C109,110 | | | CK45F1H103Z | CERAMIC | 0.01UF | Z | E | |
| C197-200 | | | C91-0699-05 | CERAMIC | 0.1UF | J | | |
| C201 | | * | CF92FV1H473J | MF | 0.047UF | J | | |
| C202 | | * | CE04FW1H2R2M | ELECTRO | 2.2UF | 50WV | | |
| C203 | | * | CE04FW1H2R2M | ELECTRO | 2.2UF | 50WV | | |
| C204 | | * | CF92FV1H474J | MF | 0.47UF | J | | |
| C205 | | * | CE04HW1H4R7M | NP-ELEC | 4.7UF | 50WV | | |
| C206 | | | CF92FV1H224J | MF | 0.22UF | J | | |
| C207 | | | CF92FV1H224J | MF | 0.22UF | J | | |
| C208 | | | CE04FW1V4R7M | ELECTRO | 4.7UF | 35WV | | |
| C209 | | | CK45FB1H102K | CERAMIC | 0.001UF | K | | |
| C210 | | | CC45FSL1H470J | CERAMIC | 47PF | J | | |

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|------------------|----------------|-------------------|-------------------|-----------------------------|--------|------|-------------------------|--------------------|
| C211 | | * | CC45FSL1H470J | CERAMIC | 47PF | J | | |
| C212,213 | | | C91-0178-05 | POLYSTY | 1500PF | J | | |
| C214 | | | CEO4FW1H010M | ELECTRO | 1UF | 50WV | | |
| C215 | | | CEO4FW1H010M | ELECTRO | 1UF | 50WV | | |
| C216,217 | | | CEO4FW1HR22M | ELECTRO | 0.22UF | 50WV | | |
| C218 | | | CEO4FW1HR22M | ELECTRO | 0.22UF | 50WV | | |
| C219 | | | CEO4FW1HR22M | ELECTRO | 0.22UF | 50WV | | |
| C220,221 | | | C91-0172-05 | POLYSTY | 33PF | K | | |
| C222 | | | CEO4FW1HR47M | ELECTRO | 0.47UF | 50WV | | |
| C223 | | | CEO4FW1HR47M | ELECTRO | 0.47UF | 50WV | | |
| C224-227 | | * | CEO4FW1HR22M | ELECTRO | 0.22UF | 50WV | | |
| C228,229 | | * | CQ93HP2A472J | MYLAR | 4700PF | J | | |
| C230,231 | | * | C91-0175-05 | POLYSTY | 56PF | K | | |
| C232,233 | | * | C91-0097-05 | POLYSTY | 560PF | J | | |
| C234,235 | | | CEO4HW1E100M | NP-ELEC | 10UF | 25WV | | |
| 150 | 2B | | E11-0103-05 | PHONE JACK | | | KPUMX | |
| 150 | 2B | | E11-0103-05 | PHONE JACK | | | TE | |
| 150 | 2B | | E11-0331-05 | PHONE JACK | | | T2 | |
| 151 | 1D | * | E13-0223-05 | PHONE JACK | | | | |
| L1 | | * | L32-0292-05 | OSCILATING COIL | | | | |
| L2 | | * | L39-0114-05 | PEAKING COIL | | | | |
| L3 | | * | L39-0115-05 | PEAKING COIL | | | | |
| L4 | | * | L79-0190-05 | LINE FILTER | | | | |
| LPF1,2 | | * | L79-0191-05 | ACTIVE FILTER | | | | |
| X1 | | * | L77-0586-05 | CRYSTAL RESONATOR | | | | |
| X2 | | * | L77-0587-05 | CRYSTAL RESONATOR | | | | |
| - | | | N09-0321-05 | TAPPING SCREW | | | | |
| R53 | | * | R90-0279-05 | MULTIPLE RESISTOR | | | | |
| R54 | | * | R90-0234-05 | MULTI-COMP 10KX7 | J | 2B | | |
| R95 | | * | R90-0292-05 | MULTIPLE RESISTOR | | | | |
| R96 | | * | R90-0234-05 | MULTI-COMP 10KX7 | J | 2B | | |
| R97 | | * | R90-0281-05 | MULTIPLE RESISTOR | | | | |
| R112 | | | R90-0228-05 | MULTI-COMP 10KX5 | J | 2B | | |
| R201 | | | RS14KB3A101J | FL-PROOF RS 100 | J | 3A | | |
| R202 | | | R90-0281-05 | MULTIPLE RESISTOR | | | | |
| VR1 | | * | R13-3015-05 | SLIDE POT. 10K (HEADPHONES) | | | | |
| VR2 -4 | | * | R12-3085-05 | TRIMMING POT. 10K | | | | |
| RL1 | | | S51-2056-05 | MAGNETIC RELAY | | | | |
| D1 ,2 | | * | 1B4B41 | DIODE | | | | |
| D1 ,2 | | * | 1D4B41 | DIODE | | | | |
| D1 ,2 | | * | 1G4B41 | DIODE | | | | |
| D3 | | | RD13E(B2) | ZENER DIODE | | | | |
| D4 | | | 1S2076A | DIODE | | | | |
| D5 | | * | 1SV147 | VARISTOR | | | | |
| D6 | | | RDB. 2E(B2) | ZENER DIODE | | | | |
| D9 | | | GMA01 | DIODE | | | | |
| D9 | | | ISS176 | DIODE | | | | |
| D11 -14 | | | GMA01 | DIODE | | | | |
| D11 -14 | | | ISS176 | DIODE | | | | |
| D15 | | | 1S2076 | DIODE | | | | |
| D16 -18 | | | GMA01 | DIODE | | | | |
| D16 -18 | | | ISS176 | DIODE | | | | |
| D19 | | | RD5. 1E(B2) | ZENER DIODE | | | | |

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|------------------|----------------|-------------------|-------------------|-------------------------|-------------------------|--------------------|
| D21 | | * | RDB. 2J(B2) | ZENER DIODE | | |
| D22 | | * | RD7. 5J(B3) | ZENER DIODE | | |
| D23 | | * | E-352 | CONSTANT CURRENT DIODE | | |
| D24 | | * | RD7. 5J(B3) | ZENER DIODE | | |
| D25 | | * | E-352 | CONSTANT CURRENT DIODE | | |
| D26 | | | GMA01 | DIODE | | |
| D26 | | | 1SS176 | DIODE | | |
| D27 | | | RD10J(B2) | ZENER DIODE | | |
| D28 -34 | | | GMA01 | DIODE | | |
| D28 -34 | | | 1SS176 | DIODE | | |
| IC1 | | * | AN7805*1 | IC | | |
| IC1 | | * | UPC7805H*1 | IC | | |
| IC2 | | * | AN7905T*1 | IC | | |
| IC2 | | * | UPC7905H*1 | IC | | |
| IC3 | | * | AN7805*1 | IC | | |
| IC3 | | * | UPC7805H*1 | IC | | |
| IC4 | | * | AN7912T*1 | IC | | |
| IC4 | | * | UPC7912H*1 | IC | | |
| IC5 | | * | AN7812*1 | IC | | |
| IC5 | | * | UPC7812H*1 | IC | | |
| IC6 | | * | TC9179F | IC | | |
| IC7 | | * | MB8418-20LPF | IC | | |
| IC8 | | * | TC9178F | IC | | |
| IC9 | | * | TD6315P | IC | | |
| IC10 | | * | TC40H000P | IC | | |
| IC11 | | * | TC4094BP | IC | | |
| IC12 | | * | MB88201-P-115K | IC | | |
| IC13 | | * | TC4572BP | IC | | |
| IC14 | | * | MB8414EM-G | IC | | |
| IC14 | | * | MSM5114-2RS | IC | | |
| IC14 | | * | MSM5114P-2RS | IC | | |
| IC14 | | * | TC5514P | IC | | |
| IC14 | | * | UPD444C-0 | IC | | |
| IC15 | | * | TMP4740N-5909 | IC | | |
| IC16 | | * | UPC311C | IC | | |
| IC17 | | * | UPC1373H | IC | | |
| IC17 | | * | UPC1373HA | IC | | |
| IC18 | | * | UPC78L08 | IC | | |
| IC19 | | * | NJM4560D-N | IC | | |
| IC20 | | * | AN7905T | IC | | |
| IC20 | | * | UPC7905H | IC | | |
| IC21 | | * | CX-20017 | IC | | |
| IC22,23 | | * | TLD72CP-T | IC | | |
| IC24-26 | | * | UPD4053BC | IC | | |
| IC27 | | * | NE5532P | IC | | |
| Q1 | | | 2SC2878 | TRANSISTOR | | |
| Q2 | | | 2SC1685(R,S) | TRANSISTOR | | |
| Q2 | | | 2SC1815(Y,GR) | TRANSISTOR | | |
| Q2 | | | 2SC2320(E,F) | TRANSISTOR | | |
| Q2 | | | 2SC945(A)(Q,P) | TRANSISTOR | | |
| Q3 | | * | 2SC1923(Y) | TRANSISTOR | | |
| Q4 | | * | 2SC945(A)(P,K) | TRANSISTOR | | |
| Q5 | | * | 2SA1015(Y,GR) | TRANSISTOR | | |
| Q5 | | * | 2SA1127NC(R,S) | TRANSISTOR | | |
| Q5 | | * | 2SA733(A)(Q,P) | TRANSISTOR | | |

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|------------------|----------------|-------------------|-------------------|--------------------------|-------------------------|--------------------|
| Q5 | | * | 2SA999(E,F) | TRANSISTOR | | |
| Q6 | | * | DTA114F | TRANSISTOR | | |
| Q6 | | * | UN4111 | TRANSISTOR | | |
| Q7 | | | 2SK170(V) | FET | | |
| Q8 | | | 2SK105(H) | FET | | |
| Q9 ,10 | | * | 2SK152(3) | FET | | |
| Q11 ,12 | | | 2SC1685(R,S) | TRANSISTOR | | |
| Q11 ,12 | | | 2SC1815(Y,GR) | TRANSISTOR | | |
| Q11 ,12 | | | 2SC2320(E,F) | TRANSISTOR | | |
| Q11 ,12 | | | 2SC945(A)(Q,P) | TRANSISTOR | | |
| Q13 ,14 | | | 2SC1685(R,S) | TRANSISTOR | | |
| Q13 ,14 | | | 2SC1815(Y,GR) | TRANSISTOR | | |
| Q13 ,14 | | | 2SC2320(E,F) | TRANSISTOR | | |
| Q13 ,14 | | | 2SC945(A)(Q,P) | TRANSISTOR | | |
| Q15 | | | 2SA1015(Y,GR) | TRANSISTOR | | |
| Q15 | | | 2SA1127NC(R,S) | TRANSISTOR | | |
| Q15 | | | 2SA733(A)(Q,P) | TRANSISTOR | | |
| Q17 | | | 2SA999(E,F) | TRANSISTOR | | |
| Q18 | | | 2SK163(K) | FET | | |
| | | | 2SK163(N) | FET | | |

MECHANISM UNIT (D40-0299-05)

| | | | | | |
|----|-------|-------------|---------------------|--|--|
| 1 | 1E,1F | N29-0072-08 | PUSH RIVET | | |
| 3 | 1E,1F | N35-2606-46 | BINDING SCREW | | |
| 5 | 1E | J25-4402-08 | FG PC BOARD | | |
| 6 | 2E | N19-0872-08 | POLYSLIDER WASHER | | |
| 7 | 2E | J90-0136-08 | GUIDE RING | | |
| 8 | 2E | G01-1467-08 | CONICAL SPRING | | |
| 10 | 2E | T42-0041-08 | DISK MOTOR ASSY | | |
| 11 | 2E,2F | N35-2612-46 | BINDING SCREW | | |
| 12 | 2E,2F | J42-0115-08 | BUSHING | | |
| 13 | 2E,1F | N30-2006-46 | PAN HEAD SCREW | | |
| 14 | 2E,2F | G13-0157-08 | RUBBER CUSHION | | |
| 17 | 2E | D23-0187-08 | BEARING | | |
| 19 | 3E | D13-0145-08 | GEAR ASSY | | |
| 20 | 3E | G02-0153-08 | LEAF SPRING | | |
| 21 | 2E | D13-0146-08 | GEAR | | |
| 22 | 2E | N35-2605-46 | BINDING SCREW | | |
| 23 | 3E | J19-2127-08 | MOTOR HOLDER | | |
| 24 | 3E | G02-0154-08 | LEAF SPRING | | |
| 25 | 3E | G02-0155-08 | LEAF SPRING | | |
| 26 | 3E | T42-0042-08 | TRAVEL MOTOR | | |
| 28 | 3E | A10-0744-08 | CHASSIS CALKED ASSY | | |
| 31 | 1E | N89-2004-46 | BINDING SCREW | | |
| 32 | 1E | B09-0042-08 | CAP(CRAMP) | | |
| 33 | 1F | N09-1355-08 | SPECIAL SCREW | | |
| 35 | 1E | T50-1016-08 | YORK(CRAMP) | | |
| 36 | 1E | T99-0221-08 | MAGNET(CRAMP) | | |
| 37 | 1E | J11-0064-08 | CRAMP | | |
| 38 | 2E | J91-0234-08 | PICKUP | | |
| 45 | 1F | G01-1468-08 | TENSION SPRING | | |
| 46 | 1F | N35-2610-46 | BINDING SCREW | | |
| 47 | 1F | G01-1469-08 | TENSION SPRING | | |
| 49 | 1F | G01-1470-08 | TENSION SPRING | | |
| 50 | 1F | N24-3015-45 | E RING | | |
| 53 | 1F | D13-0147-08 | GEAR(CRAMP) | | |

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|------------------|----------------|-------------------|-------------------|-------------------------|-------------------------|--------------------|
| 54 | 1F | | N24-3030-05 | E RING | | |
| 55 | 1F | | N35-3004-46 | BINDING SCREW | | |
| 57 | 2F | | G01-1471-08 | TENSION SPRING | | |
| 59 | 2F | | J42-0116-08 | BUSH | | |
| 60 | 2F | | D14-0100-08 | ROLLER | | |
| 61 | 2F | | N35-2008-46 | BINDING SCREW | | |
| 62 | 2F | | N77-2608-45 | SET SCREW | | |
| 63 | 2F | | N15-1030-46 | WASHER | | |
| 64 | 2F | | N09-1356-08 | SPECIAL SCREW | | |
| 65 | 2F | | N19-0366-04 | POLYSLYDER WASHER | | |
| 66 | 2F | | D13-0148-08 | GEAR(B) | | |
| 67 | 2F | | D13-0149-08 | GEAR(C) | | |
| 68 | 3F | | D13-0150-08 | GEAR(E) | | |
| 69 | 3F | | D13-0151-08 | GEAR ASSY | | |
| 70 | 3E | | D13-0152-08 | GEAR(A) | | |
| 71 | 3E | | N35-2604-46 | BINDING SCREW | | |
| 73 | 3E | | J30-0191-08 | SPACER | | |
| 74 | 3E | | T42-0043-08 | MOTOR ASSY | | |
| 78 | 3G, 3H | | N09-1357-08 | SPECIAL SCREW | | |
| 79 | 3H | | G02-0156-08 | LEAF SPRING | | |
| 80 | 3H | | D13-0153-08 | GEAR | | |
| 81 | 3G | | N24-3020-45 | E RING | | |
| 82 | 3H | | D13-0154-08 | GEAR | | |
| 83 | 3G | | D21-1038-08 | SHAFT | | |
| 85 | 3G | | J25-4405-08 | PC BOARD(EJECT SW) | | |
| 86 | 3G | | N35-2606-46 | BINDING SCREW | | |
| 88 | 2G | | N14-0074-05 | CS RING | | |
| 90 | 2G | | G01-1472-08 | TENSION SPRING | | |
| 91 | 1G | | J99-0023-08 | TRAY(B) | | |
| 93 | 1H | | J99-0022-08 | TRAY(A) | | |
| 94 | 1H | | G01-1473-08 | TENSION SPRING | | |
| 95 | 3H | | N35-2610-46 | BINDING SCREW | | |
| 96 | 2H | | N32-2604-41 | BINDING SCREW | | |
| 98 | 2H | | G13-0158-08 | CUSHION | | |
| 100 | 1F, 2E | | N15-1026-46 | WASHER | | |
| 101 | 1F | | N35-2006-46 | BINDING SCREW | | |
| 102 | 3E | | G02-0157-08 | LEAF SPRING | | |
| 105 | 2G | | N32-2003-41 | FLAT SCREW | | |
| S001-003 | 1F, 2E | | S46-1042-08 | LEAF SWITCH | | |
| S004 | 3G | | S40-1087-08 | PUSHBUTTON SWITCH | | |

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